

agcgagaaaa gcgggctaag ccaaaaatca ctaacgtgcg ctaagcggtc cataagtgcg 240
 ctaagcacac gagcacaaac aaggccacct agttaagcct gaaatcagat tttgtgaagg 300
 gagtttggac taggattcag agctttgcat gtctaggggtt tctagagaga gaaagtccaa 360
 gttctagaga gttttgagag 380

<210> 31714
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31714

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 cagtacacac ttccgccatg gcttttgctt tggctaacag acgcggggagg tcttgacttt 180
 catttaaggt caaggcgaac ctatccatcc acatagtcgc ttcttgatct acgcatccat 240
 cccctccctc ttgcttcttt ttccggcatac acttggtgcaa aatccaccac tagctattgt 300
 tcatggggcca tggactgcgt caattcttca ttgtattgcc ccatgatagc taccatgctt 360
 tgctccaggg ctctcaagtg ttgagccaaa ctcttcttgg acctcgtgca agcaactaac 420
 tcttctttta atatcatgcc atgcacccgc gacc 454

<210> 31715
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 31715

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 tttatacacg gatgtccggt tgagtccggt aatatatcga gacgctccaa attgaaaacg 180
 gaaactctta gaaaattcaa acgacaataa ctttttactc ggatgcccga cagagtgtcg 240
 taatatatcg agagacgctc catattgact atgaacgctc gtatcatatg taaacgacaa 300
 taactttata ctgagatgtc tgatagagtc ccgtaatata tcgagacgct caaatttttag 360
 atccgaagct ctgagaaaat tg 382

<210> 31716
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31716

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aagttattgt cgtttgaatt ccctacgagc ttcccttttc aatttggagc gtcttgatct 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcatttcaat tttctcagag 180
cttcggatct aaattttgag cgtctcgata tattacggga ctcttcacac atccgctaaa 240
aagttaatgt cttttgaatt tgatacgagc ttncgttttc aatttggagc atctctcgat 300
aaattacgac actctgtcgg gcatccaagt aaaaagttat tggcgttcga attctctaag 360
agtttccgtt ctcaatttgg agcgtctcga tatattacgg gactc 405

<210> 31717
<211> 353
<212> DNA
<213> Glycine max

<400> 31717

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caatctgaaa atttttctaa gtcattttct gcttatctct tcacacataa tttaaaaacc 120
atttttgttc attactaaac aagctgaaat taatcacaat cacaagcaag atgtcctaac 180
tacatgcaag aaataaaaaat gaagatagag aagggaaga aaaactgggt tgcctcccag 240
taagcgcttc tttaacgtca ctagcttgac gcatcatcct gttatccagg atccaataat 300
gttcccactt caaggacctt cttctcagga cttctatcct ctatcacatg aac 353

<210> 31718
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31718

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 acttgaaact tgattcttga attgttcttg actcaatctt gaagtcattc tcttgngctt 180
 tttgtcatca tctgtgttat catcaaaaca ccttgaatca atcgcgacct atcatctgaa 240
 tcaatcttga ttcatgactc aatcttgatt caatcatgaa gcttgcttct gcacttatgc 300
 gtcattgtctt agaggatctc ataggttagat ttgtagtgtt ctattttgat gatatttttag 360
 tgtacagtac gagcctagat gatcacttac gacatntcat gccagttctt tcagtcctta 420
 ngaaaaacac tctctatgca aatat 445

<210> 31719
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 31719
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 gacaacaaaa gatgatgact aaggatgatga acaaaaagct caaagatcaa agaaaaactt 120
 aagtgaatca aagaacatct caagtgaatc aagaataaag attcaagatt caaaatctca 180
 agaatcaaga tcaagattca agactcaaga tttaagaatg aagaaaagac tcaatcaaga 240
 taagtattaa aaagtttttt caaaactctg aatagcacat gagtttttga caaaaccttt 300
 accaaagagt ttttactctc tggtaattga ttaccatatt ggtgtaatcg attaccagta 360
 tcaaaatgag ttgaaaaag ttttcaaact gagtttaca 399

<210> 31720
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 31720
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 actgatcttc cttcccgga tgcttctatt catgtccgtc tgagtgggct tatagcctaa 120
 accatacttt ccacgatttg cttgggtatt tatcacgcta gttatgccgc cgttgtcttt 180
 gcctaaaccc atcccggtt cataaccgtt cccaacata actcgggcca tgactccgct 240
 gcatcgacag acaatgctgc ccaaagagg agtccacgga cgaaatgctg accacctcag 300

aagactggaa agcggcttct aacgattctt gtgcggcttc cacataacgc atggaggatg 360
ggcagcttac caagatatct atctcgctg acacgatgac caagtgctcc tccactacga 420
atttcaac 428

<210> 31721
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31721

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ggattataga caactatgct ggacttcgag tagctagatt tgggtggact tggacttctc 120
tttatttggt acctaattat agacaactat cactatccta ctctcttggt acacaataga 180
agttgttacc aaaagaaaaa gaaaaatggt tgtaggggag tataattggt ttccaatggt 240
agtcattata tgccctttga atgccaatac taaaagcaaa gtcattgacat tgggcttata 300
ctttttacag aggaacctaa acatgggttg catcatggtg ttgccatagt ttttgccatt 360
ntactactgg ttgcaggana ttcagtagca aacttttg 398

<210> 31722
<211> 453
<212> DNA
<213> Glycine max

<400> 31722

ctaccagaca gatcagccaa aagtgtcga gctggcccct acaaattaaa ttgaagaaat 60
aaaggggaat ttagttttca gctgcacaac tgaatcagta tgaagttaat ataacagaag 120
cacatgtcaa ttactttaac aagcttacct gcaactgtgtt gtagcaagg tccagcatcc 180
agaaccaag aataaataga agagcagccc ttgttcgggt ccctttaaat gttcttaatt 240
tcagacagaa tttcattaat gtctaactaa ggtcatcata tctgtgaatt ttaaaaagac 300
agaaataaaa tgagtaacga aataacgaaa ggatgagata agaaacctgc aatgctcgtg 360
tgtatcacct aatacatatc caatgtctgc agaacatccg attaatatca cctacattac 420
aagacttgac ttaccatag tgtaatgtag cat 453

<210> 31723
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 31723

agcttgtgat ctattacaca agtcttgtaa tcgattacca gaggagattt tcagaaaata 60
 atttccaaga gtcacatcta ttcaaatggg ttatgaatgg ccatcaaagg tgacttgga 120
 acacgaattt aaagagagtt ttcatgccc acaaagttta tcctctcaa agattaagag 180
 tttttctgaa ctgaactgtc ttatcctctc aaaaagattc cttgggtcaac cacttgcata 240
 ttcaataagg aattttgatt ggtcttcatt gtacaatcta tcccttttaa gagagatttc 300
 ttcttctctt cttcttactt ctgaaaaggg attaagagac tgagagtctc ttattgtaga 360
 ggattcttga acaca 375

<210> 31724
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31724

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 ctttgtcacg ggaagccgga aggtccatat caccttctta attgtacata tggggcactg 120
 cgcccccaaa tgcgcgagta agaagagata atttccggg ctctcgtgtc cgtaaaatgc 180
 attcatatca tgcaccgcat aaacatctct tcagcatcat aatgaacata tcgtcctgca 240
 tttgtcgta tcacattccc attttgcatt agtcattgca tcatcatatg cgttcaacat 300
 actttttgtt tgctcataca taatccttgt attttctct acaaaacaaa aacaaaaaaa 360
 agggaagtac aaaaattcac gcagcattct tagttgcata tattccgtac catgagccaa 420
 ccatgttggg atcataaacc catttcacaa cacaacaa 458

<210> 31725
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31725

agcttatgcc cactcagtgaggacaattg ctctaatttt tttgccatac ccctatTTTT 60
 caatacaggt aaaagaattg ttgtaggtag atgaggcaat ttgtggtagt aaattgaagt 120
 gaatgaagtc tcagaaaatt cgtattgagt cggatttctt agaaaacaaa taattgaata 180
 acaagaactc gtatatcata tggctattat tggattccta aaaaaataaa aaaatatata 240
 gagataaaag cttctcggaa taatttatTTT aaatttataa tcacgggtata tttgatttac 300
 gtaaaagttg aaatatataa attagaaaat ataattacag agagaatgta cgaatttaac 360
 tcaagatatt taatgtgtat tttttcattt ata 393

<210> 31726
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 31726
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 gtcacaacac caattccatg gatccattcc ttgcctaaaa aattattgaa actggcctgt 120
 gaaggaataa ccacaaagat agttggcctc ctcaaacttc caacaaaaaac ttctagtgtc 180
 atcatcccat caattgctcc ttatacttag taaggaggat caaaatcggt ctagcatatc 240
 ttctaaaaat catcaaaacc agatttataa gtatcaatca ccatttcttc tacagtttca 300
 tgcattgggt ttgagtgtt ctttagaatt tgaatccttg cttttgttga ttgctctgtt 360
 gattctccaa agccaacttc ctcacccttt ggttacgcct ccattgagtt ttgttcatgt 420
 ttttgaacct tgaagcacta tagtaagcca tccttg 456

<210> 31727
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 31727
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 aggctgtgag agctatatgt ggtgtcgcat tgcctacca tccggatatg cttgagcact 120
 gatactctgc catcgaatat aaaacatctg cggagtgccta aagacagaat gacttaccac 180
 caaaagtatg acatcaaacg actgtctcct taggatgaaa gtgatactcc atttttgctt 240

atgatgcgga atataccaag gaagttcacg tatcttgaga agatattcac ctcaatactt 300
 gattaaggat tgattgattc tagagggtggg caaaatcggg gctgaattgg ttaatgtaag 360
 agtcgtgacc aatgtcctaa tatactagct cacagatct 399

<210> 31728
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31728

acgggtcccc eggcgcnc cgttttgac ccttttagtta gnatccganc tccttgcacg 60
 atacacctcg acaacttcag tctggagctg gataagtgt ctggcatact tttgttcaga 120
 ttattgatca aactagatgg gcgtgtattc ttggcgatta cctggcgcg ctagtnatc 180
 taccatttgt tcatatgctg tcaactgatgt cggcatctaa ttataccttt tggatgtgga 240
 aagctgttat aagtcgtaaa cctatatcca cacaccgcca ttatgttaat cctactttga 300
 tcatacgccc tcccgcctcc tgacctcgca tggaatgaca tttatacgaa cgtgtgtcct 360
 cgaccctagt atggtggata gagacatgtc ctttcggatg ctgcattgat cacattcttg 420
 cttaaagcgc atgtcacttg ttaccattag tatttagtac ctcatagaac cctccgtag 480
 tgcctatagt accacttgac cctagagact tacn 514

<210> 31729
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 31729

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 taatgtggag ttcacaactg tctgactgt tgtctctccc agaatgcca tagttttttg 120
 taagacttgg gttgatactg aaacttgtgc tttcttaciaa ggtaggttg tgccatatat 180
 atagatgagt tttaatatca gtgttgatt ttttaaagat tgaaaatacg tatgcacatg 240
 ctttctgtat gtgttgctca ctacacgaat gacatgacat gctttagctt gcatcagatt 300
 tgcatatgta gtcagtgtgt gtacggctct ttcacgcgtt ttatgttaat gcagacaaca 360

atttatcata cacgattttc cacaatgtgt a

391

<210> 31730
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31730

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tcaaataataa actgattagt taggctaaca atactgataa aatatcttat catatataaa 120
ttctatcaca ctcccgagc cgaagcgaga ggtcgatgaa cacgaacact atgactgtct 180
cgaactggac cggggaccat ggccactaat tttttatttt tttcagaacc ttgtaatatc 240
agacnggctt ccccggttgt gttgggtctga atgagagana tttgagtcac aaatggatta 300
tgaggtagcc accattgccc atccggcttc ctcaagtatg agcatcaacc gagcctgata 360
aaacgaaggt tgatgatcac tctgctgaat taacatcctt acacctcgat atgcacttgt 420
gagacccgaa acaagttgaa tga 443

<210> 31731
<211> 389
<212> DNA
<213> Glycine max

<400> 31731

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gctttcggca agacttatgg aaagatctta gaattgacct tagcagaggt atccatagaa 120
gccattgcat cactcaccca atactacgac cagcctttga gatgcttcac attcggagac 180
ttccaattag taccaaccat tgaagaattt gaggaattc taggatgtcc tctcggggga 240
agaaaaccat atctttcatc cgggtgtctc ccctctttga gcagaattgc aactgtggtc 300
aaggattcag caagaggttt ggacagcata aaacagactc ggaacggcat ggcgggccta 360
ccacggaggt acctagaaga caaggcgag 389

<210> 31732
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 31732

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 acgatccctt cacatataag atgagatctt atgtcattta ctacttggcg tctcccgttt 120
 ccacatttga cacatggata gaaaaatttc ccccgcaaag atgggtgcatt acatttagta 180
 aattatagga attcttcaac accattctca tattcttttag ttatacattc gctttcatcc 240
 agtttgatcc atgtttcccc tttgatgtga cacttgatta agttatctga catgcatgan 300
 aacctcactt tnttaattaa aggtgtggcc ctatcccatt caggaagaca ttgttttagag 360
 tagatttata ataattatat tttgttaatt ctgactaaat ttcgatagca attcgcatg 420
 gtctccaagt acactacatg 440

<210> 31733
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 31733

agctttcact tgagtcatca agagattata aatatgtgac cgtggcacga atttcaacaa 60
 caaatgatga atcatctttg aatcatctat ctttcaatct ttacaacatc atccctcaac 120
 atctttcaat caatctttca atatctttct acagaatttt ctgattcatt tctcttcac 180
 ttctaaaagt ttttgatcaa cactttctct tccaagaaaa gttctttgtt caaaaacttg 240
 tgctattcat ctttttcatt cactttctcc tttgcaaaaa gaacgaagga ctaaccgcct 300
 gaattctttt gtgtctctct tctcccttac aaaagattca aaggactaac cgcctaagaa 360
 ttcttttgat tcttccctta cccttaagca aa 392

<210> 31734
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31734

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 cctttccttg ttttgaagct cactacaagc cttaaataagaa aaacctgat atcaccatat 120

ctttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttttgt 180
 ttcatgtgat aacttgtttt gttggctatg cttcgtgatg tattttgcgc atacttgatg 240
 acattgtata ttgggttaa at gttggacatg ctgaatgaaa tgttgtttct caaaggctat 300
 aaaaaaaaaat tcgaacaaga agaagaagaa gacaagcaat aaagttgagt gaataagatc 360
 ttanatggca caagaatgat gaaactcttg gttctactct ttatgntac attttatctt 420
 tacttctttc tattttctta ttcttctctt a 451

<210> 31735
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 31735

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 ctaagccttg tctaggaaga aggatttgcg cccactgtgc atgcttacat ttcacatcga 120
 aattgccacc aagtccaaca gcgtgcgaca tactaggatt cccattctgg ataaggagcg 180
 ctcccgagaa tgaatggccc cccgtcggat cctgatacct caactgtgag agatctgcaa 240
 gttgcttatg gagttccctt tctagatcat tatcacttag atcatgatat tgacaatga 299

<210> 31736
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31736

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 cgattctttc atgtagtcta actttaagta tacatagaga tcttactttt ggtgatatag 120
 gatcttttaa tatagtccaa ctttcacttt tcacattgca gctttcgacc ttacacatct 180
 aactattgat actctagcta atattagttg agcctctgcg atcgaccca acgagaatca 240
 taactattgt acatggtttg agaccatgag tccataaact aatactgagg aaagcattgc 300
 atcatagtgc atgttttgag accatgagct caaccctacc tatacgtcta actacatgac 360
 cacatgagcg aactcagana ttagtatatc ctatattatt atcatcatgc gctacatgac 420

aaaagagaat

430

<210> 31737
<211> 389
<212> DNA
<213> Glycine max

<400> 31737

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aaccaaccag tttaaacttg aacactaata ctttgtcatc aaatatagta ttactgtgga 120
ctgcaaaatc ggaaggagct aaagcagaag aaagatgaaa tcaaaagaaa atctccttaa 180
gaataaagtt aaactccatt attgcttatg atacaaaata tacaaggaa gttcacgtaa 240
cttggaaga tattcacctt aatacttgat taagtattta tttattttta agttgggtaa 300
aattggtttt gaattgttaa atgtaagagt cttgaccaat gtcctaatat acaagttaag 360
agatcaacaa tagaaagctt ttattgaaa 389

<210> 31738
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31738

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ggtaacttata tctattttgtg gttttaatgg tgtgagtgag ataaattatt tgtacatatg 120
ctgtcaatga tgttggcatc tacttcacac ttttggatgt ggagatttat tataaattgt 180
aaacctatat ccacaattcg acattagggtt aattttacct tgatcaaact ttttgctctc 240
tgtgtattgg ctggagtgcc caaattttca aaaatgtatc tctgacccta ttataatgga 300
ttgagaaata gtttttttgt catgctgaga ttggatagct ttcttgcatt tagaacctct 360
ggcactttgt tttctattaa tttatttagt tattttgaaa gatccccctt cgta 414

<210> 31739
<211> 323
<212> DNA
<213> Glycine max

<400> 31739

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aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcttc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctacaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccatcc 300
ctcagcaaca acaacaacaa cct 323

<210> 31740
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31740

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atatatatat acatatatat atatatatat atatatatat atgtgtatac gtagagagat 120
accttggtatg tgcgtgtgtg tagcacaaaa aatatcacac aatatatata tgtgtgtata 180
ggtagcgaga caccgcggat atgcgtgtat atagcanata tacgcacacc acataatagc 240
tgtgtgtatg tcgcaagata cgtgagacac acatgtatat agcacaatac ctcacacata 300
tatacgtgtg tttaggtaga aagactcttc gtgacaaaag agagagcgcg cgagangaga 360
atcagaagac aaaatataga gagagatagc tatacacata tataacatat aataggcggt 420
gtctagctaa aacacaacat gcttgagaaa g 451

<210> 31741
<211> 360
<212> DNA
<213> Glycine max
<400> 31741

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tggaggaatc ttctggaggg cccaagtggg cctgattact atttgcaccc ccatttttac 120
taagtacacc cccctgcctt ttttttggtg attctttttt cgtaaagtta cgaaacttac 180
gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc ggattacata 240

atcatccccct ttttgactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
ccttttgatt tccggtgcgt cacggaacct tccggattgt gcatcaatac cttcttttga 360

<210> 31742
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31742

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caagaactct ggatttggtc cgaccatgcc ctccctgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttntaaaag 180
ctctatagtt gggcctagtc tntagagttt tcattntggt aaggctctgt gctctttggt 240
tctgaattta taatacaagg atctttcttc atctgttcct agtctctacc cattctcatt 300
catttgcatg ttnttcttan acggcagatt cgatgacgag tccccgaag gtactaatac 360
ctgggacccg tctatcaact tcgagcaaga aatgaaccaa acggaagatg aacgagatga 420
ggatgtggga ctttct 436

<210> 31743
<211> 390
<212> DNA
<213> Glycine max
<400> 31743

agctttgccc atttagtttt tgccggcaaa agaatcgaag tgagtctgag aagaggcaaa 60
tttgattatc ctgctttgat gaatgagaaa gctggggcaa atgaagagaa tgaaaaggag 120
ggaggaaccc atgctgtgac tgtcgttcct acatggccaa atttcccacc agctcaacaa 180
tatcaatacc tagctgatgt gtcattattt ttctctatct ctttaaccctt tttgtcacca 240
ttttaattac taattagcct taattgtcaa attaattatg cagttttatc atttgggcct 300
actggactaa ttttgtgttt taatttaatt tcaagagaat tataagcaat tgggcttgaa 360
tccagaattg ggcttggact tgaagagagc 390

<210> 31744
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31744

tctgtccctg aganactggt tcccagaaga caacagggag tgaagattgc tgaaaaccct 60
agccttgcaa caagtcctag ggaagtagac acggagatgg acaagaaaat ccgcagtatt 120
gtgagtagca ttctgaaaga tgcttctggt cctgaagctg atgaagatgt cccaacatcg 180
tccaacccaa atgtttctgt gcctgatggt gagaaagatg ttccaacatc ttccgcccaa 240
atgctgagta ctctcttccc ccagcaaaga gagatcaaca gaggaagatg atcaagcgac 300
aaaggagacc cctgcaccaa gggcaccaga acctgctcca ggtgacctca ttgacctgca 360
agaagtagaa tctgatgagg aacccattgc caacaggttg gcacctggcg ttgcagaacg 420
attacaaagc cg 432

<210> 31745
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31745

agcttgtcca aaaatatcca ttcctagcga gacagattta gatatgatga aattgccaaa 60
attaagggat tttttgcctt atcttttacc attatgggtca attaagacaa tcacgatttt 120
ctttaattat tttatgacca tttttcttta aatgttttaa ttacaatcta tttattttta 180
tttcttttcc ttttaacgtgc tccatcacat cactataaat attggccctt ggcatacaatt 240
ntagatacac caaaacgaag aacatcttca tcttctcttc tttctctgag ttctcccttt 300
tttgatttcc ttgctagtgc ttgttccatg ttcatacatg aaggatctgt taaatcttag 360
ttgatatgcg cactacgcat ataagtcata aagcac 396

<210> 31746
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31746

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 tgaaattgct tatggaaaac tgttagagat gaaaggtaga gttaacctag ggctagaaag 360
 tgagaatgtg gtgttatgag tggaaaaaga gtgacgctnt gagagttgaa aggctaaatc 420
 tggattctat agtaaagga ggtaatatg agttaat 457

<210> 31749
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31749

agctttccct ctttgaacaa ataccctca gccaaataaa atccatcttg ggccttttgc 60
 ccataactct cattaatggg agagaaatgt tcatctgaag catacaattc cctaattgta 120
 tcaaactcta aaatttgagc tccaaaggag taaaacaatg tgtgcctgct agagagggca 180
 tcaactacca catttgtttt tccctttttg tttttgataa catatggaaa ttactctagg 240
 tactctaccc attttgcatg ccttttttta acttgctttg cgctctaattg tatttttagtg 300
 attcatgatc actatgaatg acaaattcct tggaaacaag ataatgttcc caagtttgga 360
 gggctattat taaggcaaaa agctctctat cat 393

<210> 31750
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31750

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 agccaagccc tttatgtggt caaaaaagaa ttttgaattt tgaatttcaa acatgggtta 120
 agcgcacgac tgctaagcga agcactttga gaaaccaaatt tttctctctg gctcacttag 180
 agctttggct cgctaagaga gaggetcgaa aattgcttaa gtgagtgtaa catctttaca 240
 ctcaactttgc ccagatttcg cagacaattt ccttgcaatc tctctctccc ataatttggtg 300
 caccttgcac ttgagctttc tatttgcatt gtctacttat cttcaciaag catcaatgat 360
 acaagtaagt tccttactcc ctttattctt ttattntggt gaaccttacg gtagagaacc 420

atacatgtta gctgtcaatc tttacgtggt tcatgatat

459

<210> 31751
<211> 394
<212> DNA
<213> Glycine max

<400> 31751

agcttaatag ccaaatacag aaagaaagaa ggaatctctt gtgaagttgt attcacttaa 60
aatagggtttt caaatcctta aaaaataatg atttacttat ggatcaaact atgatagccc 120
caatggaatt tttcttcac atcaaatcat tttttttcta gcagtggcca tatcagccca 180
tatgctatga agcacgtgta cctgcatttg cttcacaagt ccataattca aacccttagt 240
atttttggat aattcattga tacacttgta cctacaatta ctttgtcacc aatcaaatat 300
tacatcacat caaattacaa tattgtgaaa ttgaacagcc ctagtgtcaa taaaaaatca 360
aacaacttaa acataatggt gagttccaac gaac 394

<210> 31752
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31752

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ttagcattag agggaattct actcatctct tccaaccatt cttcttccat ctggggaaag 120
gcattagtca caacaaagga ttggtaaaca ccacctcta catatagctg cctatagaaa 180
tctatcacca tatttctttc aatgagaatt aacaaaattt ggaaactcaa aatgcactcc 240
tatgcacttc aaatttgaat ggtagtctat tatggctcat ttggataggt tcttcaagta 300
tcaaaaggag agttatatga taagacttca accaattaag atgaaataaa tatgcttttt 360
tgaatcatag tctgcattct aaattgataa tgtatttata aagcctaaca ataagcttcc 420
ttttcgtcaa gtaagcgcat caccttgata caccaaa 457

<210> 31753
<211> 387
<212> DNA
<213> Glycine max

<400> 31753

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atggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
aaccaccatt agaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ttttgcttta ccttctcttc tattggtggt tcttcatttt tctccatgta 300
tctcctcaca tgtcttgtgc taaatgttgt taacatgatt ctttagagtt tccaccgatt 360
aaacttggtta tagaagctag atttgat 387

<210> 31754

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31754

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ttctcttttc tattattnta ttttaagtta tgccacatgt ctccatttga gtggagcaaa 120
aggcccactt tactcttgat gtgactcatg ctcagccaca tgaagagaat aatttgacct 180
tttgaaatgc caaagtcttg cctcggattg cgtgttggtt ctttggtcta gtcccttgcg 240
ttctctgtgc ccgtcggggc caattatcga aagtaggcaa tatatatatc acaatgctca 300
gaatgaaacc tcgagcgtgg ttcacagggt gagtttggtta aattctaagt cgcacgcaaa 360
acgatgatgt ttacactaat taattaagaa ttaacttata acctccaat tatggatatc 420
tcttcc 426

<210> 31755

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31755

agctttgaga atatggttgc aaccattggt caatatgggc cacattttcc catttcaagc 60
tatcatgata tcagagttcc actcctgaag aaggaagttg aatacgtga aaatttgatg 120

aaaggccaca gggagcaatg ggtcaagtat ggttgacta ttatgtccta tgcattggatt 180
gatcggaataaaa aaatctcaa ggttgaaaag aaatctcaag gatcacagat tgcttgggga 240
ctggatgtat gcacgggttg ttgcgaacc agtataaaaa ctcttgctg tttgtctct 300
tcttccctac tctnttaatt tccactgtgc attttaattt ctgcttttac ttttgcgtaa 360
gtttctcttc tactctntat tcaacttaaca aca 393

<210> 31756
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31756

tatgctgcac acatttataa tagacctcct cagcagcaaa accaacagca atagaataat 60
catgaccttt caagcaatag atacaatcca ggttgaggga atcatccaaa tctaggatgg 120
acaagtcctc cacaacaaca acagtctatc cctccttttc agaattgctgc tggccaagc 180
aagccatatg ttctcctcc aatgcagcaa tagcagcaac aacaacaaag caacaagcaa 240
ctatgcctct cctcaacctt acttaaaaga gttagtgtg cagatgacca tccagaatat 300
gcaatttcag caagagacaa gagcctccat tcaaagtctg acaaatcaga tagggcgat 360
ggctacttac atgaatcaag ctcaatccca aaattctgac agattgcctt cacaactgt 420
gcagaatgca naacatgtga gtgccatcac ctg 454

<210> 31757
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31757

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ttctgaaat atgaactgtg gtgtgctgta aaattctttt cctgcgccc ttgttatcct 120
aattctgcat aaaacaggct ttaaataggc tctgaattcc tgacgttgcg cttagcgcca 180
ccctgcgct tagcacacga ccttgatatt gatgccctgc cagattcttc tgtaacgcta 240
agcgcgttga agctgcgctt agtggcggtat ggcgcgttag cccactgatg agctaagctc 300

aactattact tttagcactt catgacttag cctcattntc acttgaaatt gctcatattt 360
catcattaaa tccaatggac atattcta 388

<210> 31758
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31758

ntctcttcat ctctagagct agagagttgg atgttacatt gaatagattt ggttcttgtc 60
cctctcaaga gatttttgat tgatttctag ttggaagca cccatcctct tctcctatgg 120
tcccttgagt ttattttctt ctcccaccaa gtagacatga aatgggggtt cacttcaaatt 180
tttgattggt aggtgaaaat ttaattgaaa tgagcctgag tcacaccact cattaaaatg 240
caggggaattg ctatttgcac tcctccttta taataatata atccctattt atttatat 300
ttccaaaata tccctaacaa tacattccca atgttactc cttgcaattg tctttcgtca 360
aatccctact gtgagtgcga gcacagagca acaatacacc atcaacaagg agganaactt 420
gtttcaagta acccaatcat t 441

<210> 31759
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31759

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ctcaagccct tattattatt attattatta acataatttt ttttaataat aacaataaat 120
aatatttatt tattcattta attataaaga aaacattntc acaatgcana ataactttat 180
ataataaata aatatataaa acaaatatct ggggtgttata gtccgtgtgt gtttgttatg 240
atgattgtgt atgatgggaa tttgtgatag gtgatgccaa caatgggtta cgtgggtgtat 300
gatgtttatg actcctgatg atgaatggtg atggaactat gttgctgttg acgggttgag 360
gaatatgttc taaggttgct atatat 386

<210> 31760
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 31760

tgatcaaaac aattatctaa tcatttcaat ccactcaaat catacaattg ctcatcctaaa 60
 tcattctcaa acactcattt catgcaaaac aatccactgc atatcatttt caatcaattc 120
 actattcaaa cacgcttttg gtacaagtaa acaactcaaa gtgctgaaat ttaaataact 180
 aaaattttaa ataactaaaa tataaaaaact gaaattaaaa tgactgaacc aaatcataaa 240
 aaactgaaaa taaactaaaa ttttcaagat gcacaaattt aaatgtcctg ctctgtgggt 300
 tgctcctatg catgctcatt aagggtccaac acctgagcag ctgggtgaatc ctgagagata 360
 ggctgctcta actcagatgc tagtgagat ggtacaacat catcaggtat ggggtgctagg 420
 gatggctctg ggatctg 437

<210> 31761
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 31761

agcttagaaa gcaaccaaca tcacaggtaa acaaaagcaa gacacaactt taccaagtac 60
 caagcatgag tgaagaagtc aagaagatgg agatgaaacc caaacaacc atcttgatct 120
 tcttcaattt ttcaataaga tccatcaaat tccaagtcac aataatgaac taagcaaaat 180
 gacaccaa atagaacacaa aacatgaaaa aacaccctag agaaaaaaaa atatagtttt 240
 ttttttttaa acatacaaac acagaaggaa aactcaccaa atagagggtta tttaagcact 300
 tagagcacc tccaagacct ggtaagccat tgacattagt gctgctactc aagcaattct 360
 tctccaacct tctcacaatt gcatcccaaa caag 394

<210> 31762
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 31762

gcttatgctg aatcggtgcg gtaccgcac ctatgcattt gaagatctgc cttccatttc 60

tgcttggtga ggaagcgaga atcatacgat ctgcttctca gctttctaaa actatttaca 120
 gatatgcttt gccattaata tacaatgcac cttgggatcc ggctcctgcc ttatgccaac 180
 tgcgcattat atgtcttttg aagatgctca tactacgctt acttggatat ccctcgtaag 240
 cactatccga tgctctatcc atttttaaac acttcatagt acatgttgtg ctacaatcta 300
 accggaagag taacgctatt catttagatg atggagagaa atgatgaggc ttctttcata 360
 tcatctgaac tatggatcgt tatagactaa ctgcctcac acac 404

<210> 31763
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 31763

agcttgtagg attatggggg acccatcaca tgtggtacta ggtggcgggtg ggcgatgggtg 60
 cacaacaagt tttccacatc cacaatgcgc gcataaaccc accatcccct gttgcccacc 120
 tccatctgag ctcaagctact cccacgtagc ccatatcctc gtttctctca acaccgggtc 180
 cccatcaatc ctgccaagct tccacaacat ccaagcaaaa caacattcaa cagcacaagc 240
 tatcacagcc aagcaaaaaca gggcaaaggc agaaaactct gctcaacaca ccaaccaaaa 300
 tcacagcttt tctcacttaa agaccccagt aacaat 336

<210> 31764
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31764

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 tcttaggcta ttctaaaatg gcgctogaat aagccaatct tcattataat ggctacctta 120
 agcttggtcc taaatgatgg gctagcttaa gctagcctgc taacttccaa gttcttcatt 180
 agaatagcta gcttanaagt ctgcccctaa tgatctagct taactagctt ggtaattcca 240
 aattctttac acttttcttt caatgatagc tgtaaataatc tcttcaaaga gatccttaat 300
 gtaattccta canagagact aaacaacaaa aaccacacaa aagcaatana actaagttct 360

<210> 31765
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31765

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 aacgggtcatg cactgtcaca agggctgtag atgttgagat agagtcgcga acacgaacct 120
 tagacggaga agaagagagc atgaggaaaa tagggctcac tttctaattt tttaaagtga 180
 gattccacat tgattttcaa taaaaaacg atgttaacca agcaatgtaa atgttaacat 240
 cggtttggtg gaaaaaacc tatgttaact catcaaatgt taacatcagt tttgaagaaa 300
 ctgatgttaa aaaacttata ttaacatagg ttttcattga ttttagaaa accgattnta 360
 acgaacttac attgacatcg gttnttaaaa aaccaatg 398

<210> 31766
 <211> 452
 <212> DNA
 <213> Glycine max
 <400> 31766

taacaaactt agacatcaag tgatcatgta ttccgaaata tatggggaga aaacggatgc 60
 accttttata tatatacaat atacaattgt ttgttgcttg cttgaatctt gatttcaggt 120
 attgcattgt catcatcaaa aagggggaga ttgtagatgc aattggctct gatgttttga 180
 tgatgatggg gagattgtag atgcaatagg ctttgatggt ttgatgatga tcatcttatg 240
 tgttgcatta atgcaaagg gcttttcaag attaaaattc aagacaatac ttcaagatta 300
 caaggcacia catcaagatg atcactagaa tattaggaag ggaattccta attgaattag 360
 caaaggtttg gccaaagtat ttacaataaa aagtgttttt cacaggttct actctctggt 420
 aatcgattac cagaggatgt aatcgattac ca 452

<210> 31767
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 31767

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tcttctatctt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac ttttttgag 180
gatagacatg tggaggagta gctggtttct tgggggtgcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac agctgactga tgctaataaa gtttgcagtc 360
agtccttca ccagcagtac ttgttcaga ct 392

<210> 31768
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31768

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aagttattgt cgctggagtt ttgtaagagc ttcccttttc aattacgagc gtctcgatat 120
attacgggac acaatcggac acccgagtta aaagttattg acggttgaat gcgctcagag 180
cttctatctt caattacgag cgtctcgata tattacggga ctcaatcgga catctagcca 240
aaagttttgt cgttcgattt ttctgagagc ttctgtntc aatgacgagc gtctcgatat 300
actaccggac tcaatcggac atccgagtta taagttattg ccgtgagaat ctgctcagag 360
cttctgtttt caatttcgag cgtctcgata tactacggga ctcaatcnga catgcgagtg 420
aaaagttatt gtcgtttgga ttggctcaga gc 452

<210> 31769
<211> 394
<212> DNA
<213> Glycine max

<400> 31769

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agtcaaggtc tgagagacca tacaagtttc ctaacaattt ctaattatgt tggccattaa 120
gtctatcata tgctgacaat agccgagaag cccatgaatc ttttcggggg cggagtaggt 180

gtacgccatc gccttggcct tggctaacaa tcggggaagt tcttgactcc cgttcaaggt 240
aagagcaaac cgatecatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc 300
tctagcctct tattccgcgt atacttgggc atactcgtcc gcgaccctat gctcgtgggc 360
cgtggctatg cctaactctt ctcgatactt ggcg 394

<210> 31770
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31770

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tacagttaat atcttctacc ctaaagttaa gacaagaaac agagaaaaag gatcaaggaa 120
tttacttggc cggcgatga ttgatgcttc aaagtccaaa atgcacaaag agagtacaaa 180
tgcaaaatgt gcaaattttt ggagagagag aatgcacagg cggcgtttct gtaatctgca 240
aacgcgatgt aactgatgtt acactctctt aagcagtttt gatacttttg cttaacggac 300
cgttgcgcta agcaagcaag agagatgtct ggtttctaaa ccatgctcgc ttagcgaaca 360
tgcgcttagc cgacgtttca gattcgaaaa caatctttnt taacagatac tcggcttagc 420
gtgcaagtaa gt 432

<210> 31771
<211> 395
<212> DNA
<213> Glycine max
<400> 31771

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ttcattggca cccttaatca tgttcaattt gttggtaagt ttaggtcttt taatccaaaa 120
aaggaaactt ggttaccatg tgagagtaat ttggataaat gaaactagtt ttggttggtta 180
tatgcatgaa tatttcgatg cttggttgca acaatgtatt atacaaaagt acctaccaca 240
tagagagtgg ctatgcaatt tggaatgcat caagaagttt cagattgtgt gattgcattc 300
tctggcacca aagctattgc attgaaaaat tactgcatac ccaaaattac tttaaaaaat 360
tgcaagaat attacttggc aaaaaagcag tctaa 395

<210> 31772
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31772

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 gttgtttaac attntgacaa atgaaagtta gaacaataat gatttgattc agctcatgct 120
 acattgagtt tttaacttgt atttcacacg gaatattaat agtcaataat cttgaagtca 180
 gaaaaataat gatttgattc aactcatgct atatgtactt tgatatatta ttctttcaaa 240
 aattctgaaa gaggaatat cactcaaaa gcagattcca gacnaaaaaa atcaatcatg 300
 taaacacata gattggaatt ctaattgta aaggcggaag caacaaaact aacagtgagt 360
 tacagccttg ggaagacaac ccncagtga tcttcttgca actgggggat catgcaaaac 420
 atcaaaaaca 429

<210> 31773
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 31773

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 cactggtaat cgattaccaa aacattgtaa tcgattatag ctttatgaaa ataattggaa 120
 tgttgtaaatt tcaaattgaa aactttttca aaacaatttt gctactggta atcgattaca 180
 acaatctggg aatcgattac ccgagagtaa aaactctttg gttaaaggggt ttgtcaaaaa 240
 ctcatgtgct attcaaagtt ttaaaaaact ttttaatact tatcttgatt gagtcttctc 300
 ttcattcttg aatcttgagt cttgaatctt gatcttgatt cttgagatct tgaaccttga 360
 atcttgattc ttgagtcttg aattcttc 388

<210> 31774
 <211> 453
 <212> DNA
 <213> Glycine max

tctttctctc tcacacgact gtgcaccag cgctcccta tttccttttc tacgcgactc 240
 tttttctgac ctcttcttag gccactctgc ttcttcttgt gtcattgtct tcttcttcat 300
 cctcgtttgt ctctgcgttg tgctttggag ctttgcattg acgacattga agacgtgaat 360
 tgnctgtgc tccaccgtcg acgtcgaggt aagcctattc ttcccatg 408

<210> 31777
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 31777

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 cagttttatc agctttacct atctttttac tatctttttt taagatccct aaaaaagtgg 120
 tgcaaaagat tgtatcaatt cagagaaatt tcctttgggg aggtcatcat gaggccaaca 180
 agattccttg ggtgaagtgg gacacaattt gccttcctaa aaataaaggg ggcctagggg 240
 ttaaagatct ctaaatttaa tgaggcttta cttggcaa at gggggtggga gctgactaat 300
 aatcagaacc aaccttgggc aagaatctta ctctccagat atggtggcgg gaaggagtgt 360
 atcttttgtg gaaagagcaa atcttctct 390

<210> 31778
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31778

ntcccacaag actcttattc tggaccatt gcgattatgt tgttgaagca cacagttgcc 60
 tgtgtccaac acagtggcca gtgtgttatt gataggttga ggtggtgaat aaaggattat 120
 tggtgatttc ttcacttttt tcttaccatc ttgcgattct attttgagta cccctttgtg 180
 atccaatgat agaacagcag aatttgagtc aacaggttgg tctctatctc accccacact 240
 cccaatcatc tttcttttgg gcacatatag tcaagtaaac tgcttcctga ttatcatgag 300
 ttattgggtc gaaactcatg caatatttac ccttttttga acatagctct gcccttggtg 360
 ccgcggcatt cagagtatca cctggcttca aactatcatt ggcttcaacg tggatacaag 420

tagtactcca ccacaaccac atatagatg

449

<210> 31779
<211> 381
<212> DNA
<213> Glycine max

<400> 31779

agctttataa ggcgaggtct aagacacgaa ggccaagtca cgcgatatg cgaggatgac 60
tccccgagga ggtcggattt ggtacggcta tgtcctccta gtttccaact aggaaattgg 120
tgagtggagg agcaccaga cgtttacgag gtaagcataa tgtaaccctt tgtagcatta 180
aaactctacg attgggccta ggcttttagag tttccttttt gtttaaggcat tatgtctttt 240
gttcttgagt ttataatata aagatctttc ttcactctgtt cctgcgcctc taccattctt 300
cattcatttg catgtttatt tctttacgct taaaacgcca gatctgacga cgagtccttc 360
gaaggtacta atacccggga c 381

<210> 31780
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31780

tgtccgcana anaatcactt aaaaccgttt taagggtcaa cgccttatac ggtcctcttt 60
gcttttatcg gttaacatgg accgttcaaa agcataaaat caacacatca ctttactgcc 120
ttttgtgaga actatgtagg tctgatttcc tcttcaatgg aggatacgtg ggagcaaaaag 180
ccccgctttt gtcgacctcg tgagatgggt agaggtcaa cgccttagct ttctcaccaa 240
taaaatggat cattttaagg tacaacacct tanatgacca cttccaagt aaaaagaatc 300
acttgattcg ccccttttga aagaactacg tacgtatgat ttctcttctg atggaggata 360
cgtacgagca caagccccgc ttttgtcgac ctcaaaaata aaaaaggaca aaaagtttac 420
gatacatgat ttcacacaac tctaaatct 449

<210> 31781
<211> 350
<212> DNA
<213> Glycine max

<400> 31781

agctttttaga tgaatttttc tatgacaact tttgataaat atgtataata ctaacctcat 60
ttcactcatc aatatatgtc caatacacac aagtatgcat tttaattagt agattaagtt 120
aatgtcattg gcataactat ccaatgtgaa tgactttatg tctaattgat tgtagattaa 180
gtttgattca ttagtgctag gtatttcatt gacaaataaa tagtcctaag gagtagtatg 240
tatgtatggt tttcttttct taaaattaaa aaataggagg atgctgactt acttctcata 300
gtattaatca aataccgggg ctgttcatca caaccogtgc cattgcaaag 350

<210> 31782

<211> 449

<212> DNA

<213> Glycine max

<400> 31782

tcaggctatt caattgcttc agattgttgc acagaagggc ataggtctgt gtggtggtcg 60
acagaggagc ataaaccaca gagtctggcg acaggtgcag atttttgatt catggccagt 120
ttggttacca ggttaaccaa ggcatttagt ttaccttcaa gttcttagt ctcacctgat 180
gaagatgaat tcatggctac ttcatgcact cctctaata gaatagcata tttctggcac 240
taattgctgg gagttggaag ccattcttctc aattaaattt ctgggttcag tacgggtcat 300
gtctccaagg gctccaccac tggcagcatc tatcatactt ctcttcatgt tgctgagtcc 360
ttcataaaaa tattggagga gaagctgctc tgaaatctgg tggtgagagc aactagcaca 420
taatttttac atctctccca atatcatat 449

<210> 31783

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31783

agcttcatgg tgaatcaaag gtgttttgat gataacaaaa gatgatgaca aaggtgatga 60
caaaaagctc aaagatcaat caaagaacaa ctcaagtga tcaaagatca atcaaagaac 120
aactcaagtg aatcaacaac aattcaagag ttcaagataa gaatcaagaa taattcaaga 180

ctcttgtata gattactntg accatattcc tagttgatgt ggaacttctt aacaattacc 420
 ttcattcattc accacctcaa tatga 445

<210> 31786
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 31786

agcttggttat tgaactgacg aaaaatcaag aacaagcctg tacgcacatc gatcgcggtgt 60
 atgatatcca atccacaagg tttgaagtta aggacagctt tacccttatg acgcaacgcg 120
 gcggacaaca gtgggcacta aacgttgatg gacgtcattg tcaatgcgga acgtattctg 180
 cgcttcactc tccatgtaca cacattattg cagcttgtgg atacatgagc atgacctact 240
 accaatatat acatgttgtc tatacaaacy atcacatctt aaaagcttac tccagacaat 300
 ggtggcctct tgggaatgaa acggctattc ctacttctga cgacacatgg acactt 356

<210> 31787
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31787

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 aagctctgag accatggctg cagccattgg tcaatatggg ccacatttgc cgattccaac 120
 ctatcatgac accacagtgc gcaactcttc agaacgaagt tgaatctact gcaaattaga 180
 tgaaagggtca actggagcaa cgggtcaagt ctggctgtag tattatgctc gatgcatgga 240
 ctgatccgat acaaagacgc ctcatgcatt ttttgatcaa ttatccacgc gcgcccattg 300
 ctgccaccct ctctcactcg ttctgagttt aagaagatag atgaaaagct ttttgagtat 360
 cttacatgtc tatgacgatg cagacttcta actataatcg tctactaagt cgtagtcgtg 420
 tatgcgagc actatgtatt ccttggtat tgtccgagga taactcacag atcctacact 480
 actcctttcg acgtcattaa taaaccgaac aataagatat cgccg 525

<210> 31788
 <211> 129

<212> DNA
<213> Glycine max

<400> 31788

gaactcgact cgggacccctg tatactctaa tgcagcttgc agctttactt tagcgctttt 60
acgggtagat gatgtgcata tgatctatct acggcttgca cttttaattc gcacatgcat 120
ggacttgta 129

<210> 31789
<211> 222
<212> DNA
<213> Glycine max

<400> 31789

tgcgacccgt ataaaaaacg agaacacttc tttattgtct cttagcgagg gtgagcactt 60
tatcaatcct ggattgaccg agcttacata ctcaaagcat gccactgttg catgaatagc 120
tatgccccat caatgtatga caggacatac tctcatgtct tacacacagc gaagggtcccc 180
ccccctccgc gcccgTTTT gaactctaga tataatttac ct 222

<210> 31790
<211> 359
<212> DNA
<213> Glycine max

<400> 31790

tgccgtctca tagtgcaacg ccttaaaccg gcctctgtgc ttctactggg tcacgcggac 60
tttcagaggc ctacagacca catgtaactt tgtaactact ttcaaataca cccacatcat 120
tccctggccca aggccttaag gtccctctct cctcaacgaa ttaactagtc cttcaaattg 180
actacacccg taaaccactt ttgactggcc tccatagtcc ttgcaagcta gggatcacca 240
caccataccc tctgcccatt aacatattac tgtctaagga cgacctccct tcacaataga 300
cgaaaccttt gaacaatgga acgcccagtag ctccaccata gtttgaagat ctggaggct 359

<210> 31791
<211> 205
<212> DNA
<213> Glycine max

<400> 31791

gtgaacacag tatcttgagg acataaaatg aactgttaag ctatccatgt gcacatgcga 60
 cttgcactga gtaccaaadc attgctgtgg cttgggtcatt catccacac atgcacttaa 120
 tatgatacaa tttcaacata caagactacc ttgattatgt tgaaccttca tacaagggt 180
 gttctgcata tctcggtaat gcata 205

<210> 31792
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 31792

cttatcatta atgcatgaaa tgagggcaca cattctacaa atgttatgat atgacatccg 60
 atgccctgac aggtaaacgc gattgggtct ctttacagtt aactgcccac ataaacccca 120
 ttggacccaa cctcaattgg gaaccacctc tctttaatcg actttgacct gtaacctaac 180
 accaagagac tcaactatggt acctggaaag aggcttgatc tacgcacata cttggagaca 240
 agtccatact tacctactct tcgtctaata aacgtggata cgtcactttt ggagactaca 300
 aactgggcta gaaccatggg acaaggaaat atcggaaatc aaaaaagaca cagatatata 360
 acgttctata tgacgacg 378

<210> 31793
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31793

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 cagcagactc ctgacgagcc acggnaccgc attcttgaat tcgccctata gcgagccgta 120
 ttacaattca ctggccgctg ctttacaacg tcttgactgg gataaccctg gcgttaccca 180
 acttaatcgc cttgaagcac atccgctttt cgccagctgg cgtactggac aagacgcctc 240
 caacagatcg tcattcccaa cactcgcgcc ggccgaatgc cgattcccc cgcaagcacc 300
 cctcctcctt aaaattattg cagtttttga atcggatatg ggcgactgtc agtacaatct 360
 gctctgatgc cgcactatta acgcaggccc gacaaccgcc aatacccgct gacgcgaact 420

cctagntgcc gcatccaaca tacacttcga catctactca ttcacctatc tcttctccgc 480
tcaacacgca ccttcattac aatctctctc cg 512

<210> 31794
<211> 275
<212> DNA
<213> Glycine max

<400> 31794

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tttcatggcc ttgtaagtga agaccacac aagcatctga aagaattcca tattgtctgc 120
tccaccatga aaccaccaga tgtccaggag gatcacatat ttctgaaggc ctttcctcat 180
tctttatagg gaagtggaaa ggattggcta tattaccttg ctccaaagtc catcacgagc 240
tgggatgacc tcaagagagt attcttaaaa aaaaa 275

<210> 31795
<211> 409
<212> DNA
<213> Glycine max

<400> 31795

taacacatgt ttccatgttc aaatcaaadc agtgtaaga catagtttcg aaacactggg 60
ttgctccca ggaacacttc tttaatgtct ttttaagttgg atgtccttgt tatgacttac 120
gccttcactg tttcatcatc cataattctt ttcttctttg taagaaaata cttcatgaat 180
ttagtgatg ttggtatatg ctctaagcc ttacaaaaag gaatgttacc tctgtcgtt 240
caaatgttt aagaacact tgtatttcct ttccttatat ttctttgacg gagcatacac 300
ataaggaaga tgctcaagtg gcggatggct tactacaact ctacctttgc tagtggcttc 360
tttctttgat ttcttcttga cgtaccactc tctcttcaac tttttcagt 409

<210> 31796
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31796

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ctttgctttt attgggtaac gtggactttc gaaggcctag agtcaacatg taactttgtc 120
 actactttca aaaaccaaga gatcattaat ggtccaatgc cttaatgttt ctctcccttc 180
 aaaagaatca aaagggtcgtt caaatgggtct aacgccttaa acgagttttg tttgggtcaaa 240
 atatatcttg caaaaaaggg ataaaaacaa cttaacccat gccagttct cgaagaacta 300
 cgtangtttg atttcgttat cacaattgag gaatacgtan gagcaaggga aacacccttg 360
 tcgaccacaa taaggataaa aata 384

<210> 31797
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31797

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 cttgcaagag ttacaaaatc attgccatgg ctttgtcatt catcccacac atgcatttaa 120
 tatgatacaa tttcaacaaa aaagacaacc ttgaatatTT tgaaccttca tacaagggtt 180
 gttctgcatc ttttggtaat tcataaaact cttcggttct attcctttct gagtgttttt 240
 tgaaccatat cttcatccct atcaacctct acattgaagc aatggggcact tcattcgtat 300
 gctgcctatc aactctaaaa gcatcattaa tcatatTTtg gataggatnt ttaataatgt 360
 tgtcttgaac tacatttgta tgtgagacat ttcgagtttc ttcacttcta gactcccat 420
 ggtacaacca aaatgtgtac ccta 444

<210> 31798
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 31798

agcttaagca attaaaatag tttaatcatg attatttcct tttattattt taattaatta 60
 tgcaatggaa aggataacaa gtccggtggta acacactata gggctaaact taatggctct 120
 gctgttacgt tcaaccacag atgagaaaaa aaaactgagt ccaggatgat ggaaagcatc 180
 aaagatatat atatatatat atatatatat atatatatat atatatatat caccagtatc 240

ataacatgag gcagatagaa actctgtctg ataaatttgg cttaacaaaa aaagtaataa 300
aataaataaa aactgagaga gaatacggca gatagagaca tctctttttg gacaaagaac 360
ctaccatcta gtctaagtac 380

<210> 31799
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31799

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ttttccttat ggtacagttg agatcaaaag tgactccaca aacaagagct tcaaggtcaa 120
tggacaccga ctttaagtcac tcttcacaaa cctttcttta ttggacgtag tgggtggaaga 180
gacttcctta ctccacccta ctcttctcc accatgactt aaggagttcg cttttcctat 240
accttcttta cttttattac atntgtccga ttctatatga tggtttaatt gcttttaatc 300
ttttaattgt gttacattga ggacaatgtg ttcgttaagt atggagggag gggggagtgt 360
tctgggctgt 370

<210> 31800
<211> 382
<212> DNA
<213> Glycine max
<400> 31800

agcttggtta cctccttctt cactacatca agaactactg ggttgagtct tctctatggc 60
tgtcttattg gtttagcctc atcctctaaa tttatccgat gcatacatat ggatcggcta 120
ataccaggaa tgtccgctag ggtccagcct atagccttct tatgcttctt gagaactaat 180
aacaacttct cctcttgctc atcagcaagg gaggcagata taaatactgt taaacttttt 240
ctatcatcca agtaagcata ttttaaattt gatggcagag gtttcaattc tgggtgtgggt 300
ggctagatag tggtagaaaag agatgggttc tcagcctgta cctcataaag aaagtcagag 360
gtatatgtac ttcctaaaac at 382

<210> 31801
<211> 439

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31801

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acgggttatt gccgaaccaa tataaattct tgtgttcgtc ttcttcttcc ctacactctc 120
taattttcgt tgtgcacttt taattatcgc tcttactttt ggttaagttt caattattgt 180
tctttacttt cttaactctg tagtaaaagc ctaattaaat ctacgcacat taagaagatc 240
acttttaatt agtcaaggta cattaataat taattcaacc ccccttctta gttattccga 300
gaccacttga tccaacaatt atgatataata gtgtgcgctt aaactccaaa gagcatacta 360
ctgacctcag aatggccact tcttgagcaa actcatcctc taaggcatca ttcaattgct 420
ctgatctcag aaccttaac 439

<210> 31802
<211> 381
<212> DNA
<213> Glycine max

<400> 31802

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ttaattttta atttaaagtc caacaaagta aaacttgata tgagaattaa ttgaaaaata 120
ttatattaat cttgaaaagt ttataagatt tagtaaatat tctatgataa tcttgaatta 180
ttttttaaatt tgaaagtatt gagagaagtt ttaagagaag aaattaatac ttcaatgaaa 240
atactaaatc atataaaata ttttcttttt taaatatatg cattccttat aaatatcgct 300
gaaagaaaat taataacttt ctttataaat tattttttaga ggatgtaaca tttatctaag 360
atcaaaattg ttatgaaata g 381

<210> 31803
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31803

tattgaagaa ggctattatg tgcaggtgaa ctgtnttttt tgtttatgta tgtatatttg 60

cattgcttgt accaatttgc ttatatattg gcgaagtacg aagatggtga gtggaaaaaa 120
 ataataaac taacaaataa attaacgagc attaagctga acgcgtgata ggggattaat 180
 gcaccaaagt gtcgaagcac gatactttct acagactaaa catcaatgct tctaactgtc 240
 tttctatttg aaagtcaagt gacgacctta tatgaatttg caagagcaca atattgctaa 300
 ccatgcgcgg agttattata cgctccaact ccatgtgtta ctcctcctta caaacgtgag 360
 aagaaacat tttactgtc agctctcact tccccctcat cttttcaccg ccatcaccac 420
 cacc 424

<210> 31804
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 31804
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 ccacggaagt tatgccaaag aatctgctca aggaagtaat ctggcgaaaa cctctcaatg 120
 aagctaccga gggatatgtc agaagcttgc gaaagacttg ttgtaacttt gatgaatgac 180
 agtcttgaga gacatacctt gtagtgccaa ttctctgcct ctatgattcc ttcagtctcg 240
 agctcccc 248

<210> 31805
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31805

cgtctctacg atccctatca atgaatcttc agatctatta tgcataatgt ctctatggca 60
 cattaact acaacatcta taccatatt aattaaagg ttgatgacta cttgtacaca 120
 actgatgtgt aagtatttgc acttaccgct gagttcatac attaaatttt ttgacagtga 180
 atgaaattct tttcttatat cttattccag agaaatatga ttatgtaatc anaacctccc 240
 ttgattcttc cataagagta ttctaatact ttcccatgta atgtaataga tatcgtttat 300
 aagtgtatcc tcatactttc acacacacat atatatatat atatatatat atatatctat 360

atatatatat gtgtgcg

377

<210> 31806
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31806

agcttataag aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacat ttaccatttt cttgaacata tcctataatt caaagaanaa 300
catgcaaagt cgtagtgca cacaaaattg acccaaaata ttaaactgaa aatccgacga 360
aactaacaac attaacaaat taacacaact aacaaatta 399

<210> 31807
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31807

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atatttccat aaattttcat atggtatcat taccttgctc aaattcgtat gagtattgac 120
aaaatgaggg ttgcaaaaa aaaaaaaact aatgcttgct aaataaataa ccagagttgt 180
tatgagactt tttcttttgt cactttgaaa tcaaagtgat ttcaatttca aggtcaaaaa 240
aacaatttg aaattttgta ctaagtgtag aataagaagc tntgttctca aaataacaat 300
gtacagtcaa cttaaataaa tttctctgat gttnttgac tcgtgggaga gtcctaaagc 360
ttgatatgaa ttcaagaaat tctgatgagc ttctattgtg tgacttgaca tgaatgtgtt 420
ctctagacat cattatatca tctcat 446

<210> 31808
<211> 392
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31808

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gtcgacagag gagcataaac cacaaagtct ggcgacaggt gcaaattttt gattcacggc 120
cagttggggtt accaggttaa ccaaggcatc tagtttacct tcaagcttct tagtctcggc 180
taatggagat gaattcgtgg ctacttcatg cactcctcta atgacaataa catcacttct 240
agtactaaat tgttgggagt tggaagccat cttctgatgg aagcttgctt gtggggcttc 300
tatggaggct ggatctttga gcttcaatgg ggtcctttta tgggtgattnt ccaccatgga 360
gatgcagtgg aagacaaagg agaagagggtg ag 392

<210> 31809

<211> 456

<212> DNA

<213> Glycine max

<400> 31809

tctctgaagg gcatgggttat ttccagtttc cttaaaatac ccaaaaatct cgccaaatga 60
tggtccttct ccttcttggga aggtaccaca ggatatggta cttccttacc ttcgttttca 120
tccttttcaa tttttttatt ttttttcttt ttcttgggtca ttaaattctt tttgcttgac 180
cattattttt ttctctttat cttgattgct ttcacctctc acctcatttt tctcccatca 240
gtaccttctt ttcagcagtt ttctctttgt gcacaatact ctctcctcc tcagcctcca 300
taaacctttt actccttgtc atcacatctt tgaattccgc cttgcgattc ttttctgtat 360
ttgctgcaaa actgttggac aacttgtcag ctatctgctt ggccagttgt cccacctgaa 420
tttcaaggat cttcagtgtc gactcagtgc ttttat 456

<210> 31810

<211> 395

<212> DNA

<213> Glycine max

<400> 31810

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gtgtgagaaa gcgaagcttg aacaaattcc agactttgcc ttagattgt tgtgcctgat 120

ttttccatga cttccacgca cgggatgcag caacgtggtc gtcgacccta tctctaaaga 180
 caaagcttca gtgtcgggtc ccactaacta attctaacaa cttaagtccg cggattctag 240
 tcttcttatt caaatgccac ttcttgcttt cacatcccaa cttttttttt tttgtccttt 300
 tctaattttt ccattttttt ataaggggtga ttatgttttt agtgatgttt ttttaaagt 360
 tcattttctt tagtgcattg tcccttgctt agttt 395

<210> 31811
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31811

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 tcttctccct tttccaaaag aacaaaggac taaccgctg aattcttttg tgtctccctt 180
 cttccttggt aaagaattca aaacgacaca atctgagaat tcttttgatt ctctcttcc 240
 ctaataaaaa gtgttcaaag ggctaaccac ctgagaattc tttgtatcc ccattcacia 300
 agtatcaaag gttaacagc ctgagatctt tgtcttcaca cattggaggg tacatcttc 360
 gtggtacaag tagagggtac atcaacttgg gttcggctga gaacaagaga gggtagagct 420
 cttgtggatc agttctagtg gagggtagat ccact 455

<210> 31812
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 31812

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 gtacaaacta gtaacttcac agaagggaat aagacctgtc agttagcaca tagtctacta 120
 cccctttaca gatccaattc ctctgctccct tgcacactgt cactccccct agctgcagaa 180
 aatacatata ggctctctca cgttttcttc acatgggtcat atacaaaaac cagtaacata 240
 gctacaactg ccactcttga ctggaagata gttctgaata ctgcacaaag ctctcttaca 300

gaaatattatc cctttggcat ttgatactt gtcctccact ctgagattct gttataatta 360
 cttcacatta acacaaaaca gaacaagtta taag 394

<210> 31813
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 31813

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 agataaacta atgccgcata agatgtcaat gcacatagca ctgactctca ccttgtcgat 120
 atggagatta tgcgagagac gacattcaga ataccgcttt gaccaattgt tcataatata 180
 catggatata ctctgagagt atgagtctag actgagaaaag cacaaatttg attattagtt 240
 gtctagaccg aagagcggcg aatgctatat cctcttccat aaatgcaatg agaagcagag 300
 ctatactgct aatctacaca tt 322

<210> 31814
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 31814

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 accagagaga agatgaaatc cacagacgga atgagaacga tataatcgag gtgatgcact 120
 cttgacttac aacactctat gtatagagtt acgacgctgg atgcaatata aggacggtac 180
 tatgaagcaa ttagttagtt atgacaacca tgaacaattg tcaataacta actataccaa 240
 ctgacacaat gcgcttacta cctacttgag atagtgtact tgaatattgc acttctaagt 300
 cagtactcta acataaggta actaatgctt agctatttat cctgaaaagt tgatttgccg 360
 taatacactc cgttgtacg 379

<210> 31815
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31815

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tcatgtgatc tgcactatcc gtctctcagc tatccagtc tctacagtcg tgcgatcaga 120
gatgtgtata naggggggcg ctctgccgca tcttcaacat tatcggcgag tttccctaaa 180
gacacaaaca gaggtgagtc tgccacccaa atatgaatat gtcgatgaat gatcagagca 240
cttggatnga tcccacgcct tttccaccac tgatggagtt aagaactatt attagtataa 300
aaaggaacat aagctttcat ctagccatga tgatacaaca gtgcatcaca gagcctaacc 360
gggagaatca tatgggcatc tatttatgat ggggtgaagg aatcgattgc ccatcaatta 420
ctatcggtg acacactctc ggatgccttt gcttagctaa acccg 465

<210> 31816
<211> 363
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31816

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ctagtcaagt ccgatttaaa ctgccgccac ctctcaccaa cagtttgaag aattttcttc 120
tttgtctac tatcagaagc ttcagggatt tcaaattccg cctgaaaaat aaaaaattag 180
gttttattgt tagtcaatta taaattttgg ctaataaaga aaatcagata agcaaattaa 240
aatacctgaa tatactccca aatcaaatec ttctgagcag tagggacttc cttccaggtc 300
tcgtatgtga tgtcgacctt atcacgagcg anaacctcca aatatgttct taattttctc 360
ttg 363

<210> 31817
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31817

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ggcagaaaac tctaccaatt ccccttttgt tctaagacac acgccctcaa aaggctctcc 120
agtgactaaa tggttcattc agtctgaggg tggtaggctg aacttagcct aagcttagtt 180

cccaacgctt tattcagact ctcccaaaat ctagagataa acctaggatc ctatcacaca 240
catgctatat ggcacacccat gtaatctgac aatctcaata atatataggg aggtcaactt 300
ctccaaggaa aatcttatat taatgggaat attgtgagca aacttgggtca gtccatcaat 360
aataacctag ataaaatcta aacctctggg ggtcctaagt agtcctacca canaatccat 420
ggaaatacta tcccacttcc ac 442

<210> 31818
<211> 385
<212> DNA
<213> Glycine max
<400> 31818

agcttgtagg gttaaagtct cacgattgtc acgtactcat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaattca ggttaacgat aactcgcttg tgctttttct 120
tccattctat atgtagcaaa gccattgac cagtcattgtt tgatgagtta gaaaatgagg 180
ccgcaattat aatgtgtcag taggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaattgtt tggctcctgtt catctacggg 300
ggatgtaccc gattgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
gtccagaagc atctattgtt gagag 385

<210> 31819
<211> 419
<212> DNA
<213> Glycine max
<400> 31819

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aacgtgtcag cactctaca actgactgca ccttaatagc atccatatcc actccttcac 120
cagaaactat atgtcccaac tgctctatct tcaatacacc atcagagcat tcagacaact 180
tatcacaaaa aacattgtct ttcaaacatt tcaatactcc tccagatgca taagggtcca 240
tgccatgtgg aactatatac caatatatca ctcaataacc ataacacata ttgccttaca 300
gcatgctgga taatatggct catcatacac tgaacagaat tcgtagcatt ggtcaaacca 360
aaaggaacta ccaaccactc ataatggcca tgaggagca caaaggctga tcatgtcta 419

<210> 31820
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31820

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 tgtccccaat tcattgggag atgacaaccg aagagctcgc acgacagttc tgcactctct 120
 tgggtcagtc ctatgagaac cactgagtg tagcagttgc agcaggagtt gaggggttgc 180
 ctatactgtt aaagctggca aatgtaatgg cagcaaagaa gcaggagtgg caggaaatga 240
 agcagttgcc tgtgccagtt gaattgggta aggaatttca gttccattcg atttttgttt 300
 gcctgtgag tagggatcaa ggaagtgaag aanatcctcc aatgctgcta ccatgcttgc 360
 atgtcctttg caagcaatca attatgaagc t 391

<210> 31821
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 31821

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 ctctggaata atgcagtcag agactcatag gactttcttt gacatttagt agaggatatt 120
 tgaaaaaaaa ttaaaatggt caaaactgaa ctaataactg taagttaaac cacgggatta 180
 tatatatctt ttaagcaaaa atgttgcacg ttatcctaata tttgggtgct atagatgtaa 240
 aaagaaaaaaaa aaatgaaata ctacttgaaa taatgtttta atatttatta agtttcttat 300
 tactctttta aaataaacca atattgtaat atttatttta accataagct cttgtaattc 360
 tatatttata cataaattat tctcattaca ataaaagtaat gtcgctaata taaaattatt 420
 c 421

<210> 31822
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 31822

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aaatagttta tcagttaaac agaaataact atttgtgtct tttaagaaaa ttattgtaaa 120
attaataaat ttatcatata tagtgatttg taattagata ataacgtaaa atgactntat 180
actcctgcat aattgtaagt ttgtaaccta tttttcttat aaactatagt accttttttg 240
taccaagtat cttaagaaat tagtcatttt tttctatgct tgtgatgtgg agaaatggcc 300
accactgggg agaaagagtg gtattttctac tgccccagag acagaaagta caggaaca 358

<210> 31823
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31823

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atgagagaag tccttcccc atcttctact atgaatatta ttgtgatgaa aattatattt 120
ctgataaact agtcaaggct ccccatgggt tagctaaagc agtatcaagt tttaacattt 180
tcaattagtt gattgaaact ttgtaatcag ccatagcaac cgtgagtcgc gatttgccat 240
atttcacagt gatactgcaa acattntaga aacctaactct ctatctaate ttactgtagt 300
taatccatat ctgtgggttat ttgaaactct ntaagtatgc actcttgaaa tctcctttta 360
cactataatt agctggatga atatatnctt gcccctcttc aacaaattac aaacactctt 420
catctgtcaa cttcaggcca tctactat 448

<210> 31824
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31824

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caagaagagt tgggtctagc cacggccac gagcatagaa tcgctgatga gtatgcccac 120
gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180

atgtggatgg atcgggtttgc tcttaccttg aacgggagtc aagaacttnc ccgattgtta 240
gccaacgcca aagcgatggc agacacctac ttcgccctcg aagagaatca tgggcttctc 300
gctattgtca gcatatgata aacttaatgg cccacataat t 341

<210> 31825
<211> 450
<212> DNA
<213> Glycine max

<400> 31825

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tcatgctcgt gcgcttagcg cacttctgaa ccgcttagcg cgcattagtg aacttcgact 120
tagcgcgact tttcttggtc agcgaatgga ctgaagcggc gcgcttagcg ggatggccct 180
tcgctcagtg agcatgcaca actcatcctt ctttcagatt cttctcgac ttagccagga 240
atgttgcgct tagcggatgg ctactaagc cattagattg gcttagcgag aggggtgaaa 300
tcaacacttc acaaaactcg ctaattaacc tgacattgag agaaaatgat tattaacac 360
acaaaatgga agtactaagt atttattacc tatctctacc cacacataat tacaacacta 420
caaaataacc ataaattgga ggagtttgat 450

<210> 31826
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31826

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ggtacgtncg gttctccttt acaacctata aaagggttga tttaatcaag ctgattacaa 120
gaagtattct gacctgcatt cctgactaca acaagtattc tttaggccac ttttgacaca 180
caatctcccc ctgagattaa aaacacccaa atattctttg atcattaagc tactcctagc 240
tttccaaaca attggttgaa tgaatacaat atttaaactc ctcaaagaga ggatatacac 300
taagtttgaa tacaatagat aactntgcta aagccaagat tgatacttat tgagttntat 360
ttttgaacat ccaaca 376

aatcaagtga atcatgatgt caaagaaaac aagggaacaa tacatctcta actagcacag 240
tattcttgagg cctcatttcc agctcatcaa acttgacagg atcaatgact tttctacata 300
taccatggaa gaaaaagcac aggtgagtta tggctaaccc aactntgttt ggcaagatgt 360
ctcgtatagc cacggctaac aattgttgca tgagcacgtg acaatcgtga gactntaacc 420
ctacaagctt aagctccttg aactacacaa ggctcttaat atttgaagag t 471

<210> 31832
<211> 394
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31832

agcttttcga ttcaatctat gtaccgtag tgggtccacat tgtgtttcgt gcatttttat 60
tctcgttttg tttacttttt ataccctctc ttgacgtgct tgagccattt tacttaagtc 120
atttctcgct taacttaaaa ataaaataaa tttccaccga acttttgaat tgtattatcc 180
attaacttcg gttaaaataa attccgaccg ttcggtcgtg ccgtaaccac gttgggaaatc 240
aaaaagaggt aaaaaataat ataataatca aaaagacatc tttagtataa taaagcgaan 300
aatcaatcgg gcgttttctc tttgggattt ctcatcttta atcgaattga ttaataacta 360
aagtgaact aaaggctaaa atcaattcgc ctag 394

<210> 31833
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31833

atntgcagta caaacatggg accaactcat tntatttcaa aaaaaagggt gtatctagtc 60
aaggtctgag agaccataca agtttcttag cgatttctaa ttatgtgggc cattaagtct 120
atcatatgtt gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtcc 180
gccatgcct tggccttggc taacaagcgg ngaagttctt gactcccggt caaggaacag 240
caaaccatcc atccacatgg ttgcctcttg gtgtaaagag tcgatcacc ttcctctagc 300
ctctttttcc gcgtatactt gggcatactc gtccgcgatc ctatgctcgt gagccgtggc 360

tagacctaac tcttcttggg acttggcgat gatagctagc atgttgggtct cegtctcgca 420
 taaacgctga gacaagctcc ttttggacct tgaaca 456

<210> 31834
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 31834

gagcttctcc tctatcttcc tatgaatagg gggagaagtg aagggaatat aggttcaccc 60
 ctcttggttaa ttcgagatca cttgaactta gtgaactaaa ttggttccgt gaagaaaatc 120
 caggccgagg cgcttccgta tcgtatccgt aatgttgctg tgggagattt cgcgaagatg 180
 ttcaaccgct cttcgacgtt cttcggtcgg tcgtcgacgt tcttcggtct tcaactggca 240
 agttcccgaa atcgaacttt tcaattcatt ctatgtaccc ttaggggtgc tcatttgcta 300
 tcacgtgctt ttatcttcat ttcatttact ttcgtaccc ccttttgaca tgctgtagtc 360
 atttacttaa gtgatcttct cggctaataca aaaa 394

<210> 31835
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31835

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 aagcttcatt gtgggagaag gctcatgaac gtaatgctaa gcgtgttcta aatttgataa 120
 tagagatgga aggccttatgg gttaaacttg ggcaatatat gtcaacacgt gcagatgtgc 180
 ttctgctgc ctatatacgt cttttgaagc agttacagga ctctcttctt gctcaccctt 240
 ggaagagttt ttcttcaatt ttttttattt taaaaatatt ctagtcttatg ttatggaaga 300
 aaaaatgctt ttaggaaaca atgtacatta tgtggctgta ataaaaagag ccccatatat 360
 tctntgagca ttgtagatga ttgttggtca ttaacctact acaacaattc aaagtctttt 420
 ctt 423

<210> 31836

<211> 390
<212> DNA
<213> Glycine max

<400> 31836

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ttgattacga ttagccttgt aatcaattag aatagagttt tatgcactaa agaaagtttc 120
taactttaga aacaatcttc ttactcctac atgatggtgc atgatgtaca tgtgaaaaga 180
tagagactaa gatgcaacac agaatacaac aatcaatata aatgtcactc aaaagagttg 240
gtcatgctaa agacaaaact tctgcaagct tcttcaagct ccaagactta gtcttcatgc 300
tgctgcctat atctctaaca atcttctctt tcttggcttt catgatgcc aacttgaatt 360
atcatcttag tgcatttgga gagtcttgat 390

<210> 31837
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31837

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gttggcttgg catgaattcc taattgtcat aacatattat tgatggatat gatctacgca 120
ttctttcttt cttcacattn ttaagccacg ggccaaatag ctatcccaac gtatattatt 180
tctatcattt tgcgagcctt atgagccaaa cacttgatat tttattggcc actaacctag 240
acaaaaattt tctaccttac cttcgntag gagagcaatg gtgtttttga tggcgatttc 300
tatcatttgg tggctaattg gatgggaata cactattctt atgggtatta aaggaaatta 360
aatatttatc 370

<210> 31838
<211> 393
<212> DNA
<213> Glycine max

<400> 31838

agctttgcaa cccatatctc ttccgcaggc cttctctctt gccaaactcc aggaggataa 60
gttggaggac cattgccgcc cttaccgacc tcgtcacaca cccatcacca ccaactccact 120

accacaccca cctctcttac cttcaccacc caacctggcc tccacccctt cccattccaa 180
 accccaagtt aaacatctaa ccccaaaaga aatggcccgc aaacgcgaac aaggcctatg 240
 ctataactgt gacgacaaat aagggcccaa ccatcgttgt cgcgctcatt tcttttttgtt 300
 gattgccgac aatcctagca ccatatccc actcgaaacc tatgttacca aaccacctat 360
 cccaccttct tttgacccaa cccatgccct cat 393

<210> 31839
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31839

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 cactaacccc aaatttagct tttcaaaacc tcacactttt ccactcacat cactaccatt 120
 ctcacattta accctagggt aactctcccc atcaactcta ccagttttct accaacaatt 180
 tcagcacaca aacatcacaa agcatcatca taaaacccta aaacagaatc gtagctctac 240
 tacatcaaac atgtcaagtt tagcatgctt ttaacaaatt ccttcacaaa taactaccat 300
 aaggcataaa cctagtagaa ctacccatca tatctccan aaacccaata cccacgaaat 360
 tcatgtgaga agaagtccac ccaaacctta nattcgaagt cccacaacgt 410

<210> 31840
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 31840

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 tattataagt ctgaatcgga cctacgtgtg aaaagttatg accatttgaa ttttttgaga 120
 gattccgttg tttgaatttc gagcgtctag atatattatg cgcctgaatt tgacttgctt 180
 gtgaaagggt ataaccattt gaattttctca agagcttccg ttattcaatt tcgagcttct 240
 ctatatgtga tgcgcctaaa tcggacatcc gggaaaaaag ttatgaccat ttgaaattct 300
 caaaagcttc ggtagttaaa tttcgagcat ctcgatatat tattcgctg aatctgacat 360

ccgtgtaaaa agttatgacc a

381

<210> 31841
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31841

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 tgctgtctgt aaaacgaaaa gcctgatagc atgcagagac taacgctgctc ttctgcgccc 180
 ttcgtcaatc gcggccgaca agcccggtga cacgcagaga tttacgtcat tcccgcgctc 240
 acacatctgt catactgaca tttgagtcac gctgacggac ggaaataccc aagtggatat 300
 ccgtataaac attctttgtt cctgtctgta agacgaaatg cctgatagca cgcagagact 360
 aacatcgtct tctgggccct tcgtgaatcg cggccgacaa gcccgttgac acgcgga 417

<210> 31842
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 31842

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 ataataaag acataaatta ttgctactct tggtagatga gtgaaaagtg gaaagttgct 120
 ggtaaaaaat ggaaaaatac tcacgtagga tggataccac atcattgtag ttgatggaga 180
 agccatgcaa gggcaagtta tgatgttata aatccatgtt tatctaccaa cttttctatc 240
 ttgaaataat tgctctcgct aattctctgc caacacatga tacttccatg tttacattat 300
 gatctttcta ttgaattttc attcatatgg tatgaaatat tcctacttct tgcttaagtg 360
 caactaggaa gtacctacaa atatcga 387

<210> 31843
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 31843

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 attacttacg acatattata gcttttttta attgatcata tgttattctc ttcttgacaa 180
 tagattacaa atcattgatg ataattgcta tcgaccgatg agttaatttc gtatgacctt 240
 tccacctaca atacgacaac cttattatac tagaaacaaa atgttacata aaattttata 300
 ttggtgtata atttataata gtcataatgc ctgaaaattt gaaatgaact tttaggacta 360
 ttatatatat 370

<210> 31844
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 31844
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 gataggagta aagtttaaata cacttttcgg taattaaaaa taatttttcc tgttttcaaa 120
 ttataattat aataatagta attgtaataa ttataatgat tgttaggatt ggttgatagc 180
 aatatagttt ttaatagtta taattctaata ttaccagaat tactagacaa tattcacctc 240
 actatttccc tatttaaata ccttggtgatt tgattttctgc tattaggaag aaacactaga 300
 tttttttttt taagattgtg gtgagtgggt gatgtagata attgatacca ataaaaatct 360
 tttactatgt caagttttgt 380

<210> 31845
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 31845
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 actatagttg ggttctgaag atcttggttg tatttaatac agtgtatctt gtcattacta 180
 tctaggagat gccaaagtatg ctctaattca tctttccatc ttacgccaca gtcctcttaa 240
 cttcaccata agactacatt taaagtgaac taatataagc aatattgata gggttatatca 300

tgtcatgtgt aattgagaat agccttgaaa ttcctaacct gatccttaat gtgaattgtg 360
tcaacatatc aagtgcgtct ttgtaaccat catcataacc ttacccattt cattccaatt 420
cttctgatct tca 433

<210> 31846
<211> 378
<212> DNA
<213> Glycine max

<400> 31846

agctttctcaa cgagggtgagc ttagttatga gagggatatg agtagctaag ctctagcttc 60
tcaaggaagt tttctcaaag aagctttctca aggaatctac ctagtctata aatagaagca 120
tgtgtaacac ttgttgtaac tttgatgaat aaaagtctta tgagacacac ttcaaagttc 180
cactttctctc cctcttttat tccttcaatt ccgtgctccc cccttctctc tttcttttcc 240
tccattaaag catcctcttc aagcttttta tctaaggcac attcttggtg gtgaagctcc 300
ttcttccatg gtttattccc ttgtggatgg tgccaccct cttctcttct cctttgcctt 360
ccgtgcac tccatggt 378

<210> 31847
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31847

nttcggatnt ggtcttcgct ggcgaaatta tcaaagtggg cctggaaaga ggtaaactta 60
accatcctac tttgatgaat gcgaaaactg tggcaaata agaggggtgag aatgaaggag 120
aaacccatgc tgcgactgcc attcctatac ggccaagttt cccgccaacc caacaatgtc 180
attactcagc caataacaac ccttctcctt actcaccacc cattcgtcca caaaagcatc 240
cctaaatcaa ccacaaaacc cacctaccac acaaccaatg ctaaacacca cttttagcac 300
aaaccanaac accaaccaag gaaggaattc tgcagcaaaa tcttgcagaa ttcaccccaa 360
ttttggtgtc ctatgctaac ttggtcctt atctacttga taatgc 406

<210> 31848

agcttgacaa tcaaccctcg gctcacaatg aagtgcactg tctgcatttt attcttgcac 60
 actattgaaa aattatactc atttttttat taagggtctcc cttatttttag gtcactgtat 120
 attcataaca tttcacttat ttgtaagatc acccttcatt cttctttaaatt ctctttctct 180
 attgatgctt aactatgata tgcataattc tgcctttgat aaatgaattc tgcaattcaa 240
 tctataatat cgacggataa tctgtatttg aacttgaagg caagtttagta tcaattactt 300
 caacactctt gtctgggaca gatgcatgct tggcaccata gcttgcacta cact 354

<210> 31851
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 31851

tgtaccattg atttgcgtag ttgaaataaa agagtgaagc attgttttaa tagtcgtttt 60
 ttacatcaat ttaatgtctg agaacaatta aagtgattaa tattttcacc ttataagtta 120
 caaagacgaa gataatgatt tctatctttt aagaactaat gcaatcaact tcaaatacatt 180
 caaaattaaa gatgatgttt cattctttaa ttaattttaa catttaacttg ttaactgata 240
 gcttttttgct agagtgtgtc ctttcataaa gatctcgcat cagcagggtt ttcaattttc 300
 atattctttt atctttttaa atacgtgggt gcgagcttca tagcaattta gtcgttgtat 360
 agcataattt agtgtgttag tctttgtcaa aatatagagg aattagtctt tattaccatg 420
 tggctattat gtgtccacgt aaa 443

<210> 31852
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31852

agcttttttg agtagaaaca tgggaccaac tcattttatt tcaaaaaaaaa ggttgtatct 60
 agtcaagggtc tgagagacca tacaagtttc ctagcgattt ctaattatgt gggccattaa 120
 gtctatcata tgttgacaat agccgagaag cccatgaatc tcttcggggg cggagtaggt 180
 gtccgccatc gccttggcct tggctaacaa gcgnggaagt tcttgactcc cgttcaagggt 240
 aagagcaaac cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc 300

tctagcctct ttttccggt atacttgggc atactcgtcc gcgatcctat gctcgtgagc 360
cgtggctaga cctaactctt cttggtactt g 391

<210> 31853
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31853

ntataagcgc gggttcggga gacaaaggtc aagcgttcgc gatatgcgaa gatgatattc 60
cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttttaaaag 180
ctctatagtt gggcctaggc tttagagttt ttccttttgt taaggctttg tgtctttgtt 240
tttgaattat aatacaagga tctttcttca tctgttcttg gtctctaccc attctcattc 300
acttgcatgt ttacttcttt ttctgaaacg gcagatccga tgacgagtcc cccgaaggta 360
ctaataacctg ggacccgtct atcgacttcg agcaagaaat gaatcanacg gaagatgaag 420
gacatgagga tgtgggactt cccccagaac tagaaag 457

<210> 31854
<211> 399
<212> DNA
<213> Glycine max

<400> 31854

agctttttaca aaaaggttca tcaagtcaag ttgaaatatg gaagtaaccg tcctgcaaga 60
ttggggcaaa agatgaatcg agtcacatca ctgcttcac tactgccaaa catatttagg 120
attgttgatg tccttggttac ttccagtttc accttgacaa agatgtcatg gaccatgttg 180
aaaatctaaa ttgattcaac cccatatact gcgtaaaaat tcgcaatact tcgactgtac 240
atcattcgca tgcattccatg cttttcattg gttgcattgc tcattgcatt ctttcottga 300
aaaataaaat aaaataaaat aaaatgaact tatcaaaaag aaaaggacac gctttacggc 360
gcccttaccg aactcgtact agagctagag taatgggtg 399

<210> 31855

<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31855

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aaggaggagg cttaccacct ctcccatcat gcagccatcg gattggggagc ttccatttga 120
gctcatgtgt gatgcctcca attatgcact tggggttgtt tttccgcaca gagttataga 180
ctatcacatg tcattgctta cgcctcacgc ctctagatgg agcccaagtt aactcaccac 240
catcgatacg agcttttagc tgttgTTTTT acattagata aatttagatc ttattagctt 300
ttctcccata ttactgtcta tactaaccat gcagccttga cgtacctatt gaagaagctt 360
gatgctaaac gtagattgat caggtagatg cttcttcacg agtttgatat tgagatcaga 420
gacagaagtg gtgcacaaca tgtggtgact gatcat 456

<210> 31856
<211> 396
<212> DNA
<213> Glycine max
<400> 31856

agcttgtcct tgggaaacct tcaaaatgtg ttttggtgaa gtaggttccc ctccaacacc 60
aaccttaaga gcacaacgag atctgcaata tttatgataa acatatgcat ctacaaccac 120
ccttttgaaa tttttataaa cagaaagagt gagggcttgg agatctcgaa tgtgggaagg 180
ttgaagagac caattgaatt gggagatgtc tcatatgaac atggatttaa taagggtggtt 240
atggaataga ttccatgtc attgatgtca tctttgtctc caatctgaat gtttagaatt 300
tcacttgat tggtgactct tgaattagcc tegtctaggg cttcctccat agatggataa 360
gtatcatcct caaagtcaaa gggagttaaa aactaa 396

<210> 31857
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31857

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tctcaaggag ctcaaacct ctaataaaga gcttaaagat caacatgata aacttgagaa 120
gaagcatgat gagctcatca ctagacataa ttctctaaag gacaaataca ccacattaaa 180
aattgactat gatagtctcg tggttgctaa tgaactcgct cttgagacac atgatctact 240
aaccatgtgt taagtgtgat atagctacat catgtgatga cttgatcatt gaaagcattg 300
agcaaggttc tagtagcaaa ggcaagagtg tggttgagtc aagcaaccat gatgattatg 360
ccaagattaa gagtggagaat gagaagcttg caaatgagaa caagaagcta acagggttga 420
tggctcttga gaagcaacca acanatgagt cactcattga aga 463

<210> 31858
<211> 378
<212> DNA
<213> Glycine max

<400> 31858
agcttaaaag aataatttct agaaagttat ccgtttctaa aacgcacttg aacacatctg 60
aattgaagta gatgaaaact gaactaattt tgtaagaaag tttttcactg caaaattata 120
aatcccttta tttgtatctt aagaaattgg ttattctaatt cttagaaacg tcatttttaa 180
aaataatttc acaaaaataaa tataaaattt tcatgtttgc ccaaaatttg tcatattgat 240
tatcatcttc agagttgggt ctcatgtgta acattaaact taatcaaact aaattacaca 300
taatttatta tgttttatgt aatatttatt caaatttgat aatgtgattt tcagggttag 360
tgttaattct caagtcaa 378

<210> 31859
<211> 158
<212> DNA
<213> Glycine max

<400> 31859
caacatgatc ttaataaaca tgttaatgaa ccaaaactat gccatggctt atgaaacttc 60
acggattgct caagaagggg acaactatta tatctaaaca tgcattctaa atcccggata 120
tttggcaggt ggttaccacc gtcgccataa gtgacatt 158

<210> 31860

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31860

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agctttgcgg atttgggtctt cgccgacaaa aggatcgaag cggatctgaa aataggcaaa 60
tttgatcatc ctgctttgat gaatgagaaa actggggcaa atgaagagga tgagaatgat 120
gaaggaatcc atgttgagge tgccattcct acatggccaa atttcccatc atcccaacaa 180
tgtcattact tagccaatat cagcccttct cattacctac caccgggtca tccacaaagg 240
ctatcccaaa atcatccaca aagtttgctg accgcgcatn caatgccaaa gcgcaaacca 300
naacaccaac caagagatga agtttgcagc gaacaatcct atagaattca cccaattcc 360
tgtgtactat gctaacttng ctccatata 389
```

<210> 31861
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31861

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tgcagtcatt agaagaaaaa gaacatgtga ttagaagtat gactgacaat gttagtcagt 60
ttgtcagatt gatttgtgaaa gaatgcattg actgtattcc agtgagagtg tgatccttaa 120
attttaagag aaacaactat catttagtac tgatttttgc atgattctct gaagtatgga 180
ctaaatgcat gaattgagga tgatgaagge catgttttga ttgtggtact actttagcca 240
aaagctgacc ttgtgcttgg atgattttat ccttgcaccc agtttgagct gaatgaatga 300
ttgattgatt gaaccttgag cctatacagt cttagacttc tgctaccttg tcttaagttn 360
taggagagca tcatccatag aa 382
```

<210> 31862
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 31862

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agcttctact tatgtggtat ggcgggcttc cttcactttg ttgtctcaac cgcgagcttt 60
```

gaccaccgcc cttccttccc gtgatgcttc tctttacatc tgcttgagtg ggcttatagc 120
 ctaaaccata cttcccaaga tttcctttgg catttatcag gctagttatg tcaccgctgt 180
 ctttgccctaa acccattccg gggtcgtaac cgttcccca cataactcgg gccatcatta 240
 ctgctgcacg ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca 300
 cctcacaaga ctggaaagcg gtttctaata actcctctgc ggcttccaca taaggcatag 360
 aggatgggca gctcaccaag atgtcttctt c 391

<210> 31863
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 31863
 tataaactct atacaagaat gaagctctta taccacttgt tataaccagtg gcctcaataa 60
 ctttaagaggg atagggtcaa aatgcagaag aagtagcaat caatttaaaa atgttcttta 120
 aatggacaaa attgattgca acaaaataaa tgagataagg gaagagagaa tgcaaacaca 180
 atttttatac tggtttggca aagtccgtgc ctacgtccag tactcaagta cccacttgag 240
 atttccactc cctttgtaaa aatccgttta caaagtctga accacacagg gacaacccat 300
 cccttggtgtt caggaatcat tacaacttaa gagaccctta gtcccttaat cagtctcttt 360
 gaatgagaag aaagaaagaa gaattctctc ttgaagagaa ggatattaca attgaagtcc 420
 atggagaaaac tcttaataga tttgcaagta t 451

<210> 31864
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31864
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 acatgggttg ccattctcac cataccaaaa tcctcttttt gatatgacaa aaaaaaaatc 120
 cttcatgagg agtaacaagg aaaaatactc cagagtcaat tatccatata caataatcag 180
 atgcaatatt aaaataattt tcattaccga taataaaaaa cattttcatc atttaatgac 240
 agagaagtag tggttccacc tttattcttc ttctttgggt caattcaatt agcatggata 300

gtccagtct tctgatcttt cttcaagaat ctaccctcaa acttcttatg ggctgactnt 360
ccgtaatagt agaaactaaa gccttt 386

<210> 31865
<211> 423
<212> DNA
<213> Glycine max

<400> 31865

taagccattg tgtaaaaaaa gcacatgaac agttttatac ccaacatgcc tctcctcac 60
acaaaagtct ttgaacttgg agtgtaaagt atgcacaagc ccaccttgac tagtggttaa 120
attcaatttt ttattcaa atggggagca gtattaatca aactataaag gtcagagagt 180
tggcaacacc atgccattaa ctaaataatcc caaaagctta cagtgttggc gaaagctcat 240
gatagtttta tctggcagta gacatacctc agtcctcaag ttcccaaaac acaagggaaa 300
ccgtaaaaat gaataaataa agacactcag acacctattc catgcttatg aaaatatttc 360
tagcatctct gctattgcaa aagtattgct acaaacggct tgcattgcaca tcatccaaac 420
cta 423

<210> 31866
<211> 382
<212> DNA
<213> Glycine max

<400> 31866

agcttggttt gaggtactta cccgttgaag actgaagaaa acgattaacg aacgatgaat 60
cttgaaaaac ggtcgagaat ctttgcgtaa ttactcacgg aaatgttacg gaaacgttac 120
ggaagcgctt cggcttgat tttcttcacg gaactaattt tctcagcta tttcgagaga 180
gagagaagtg cctaaggggc tgaacctttt tctacttcac ttctccacct atttatagaa 240
aattagggga gaagcttgcc acccagctca cccaggcgag caaggttgct tctccagaa 300
gcaacagcct tctggaggaa tcttctggag ggccaagtg ggctgattg ttatttgcac 360
ccccattttt actaaataca cc 382

<210> 31867
<211> 437

<212> DNA
<213> Glycine max

<400> 31867

```

tgacttaact cagtattctt tgcctacca agtcaactctt ggctctaaaa aaatcaacaa   60
gatttgatgg aagggtgcac attcgctaatt attacatctt cttacacatg gatattctctc  120
tcagtattttt acttttttct ctcacgattt agaaggtggtt tcgagagctt actatctata  180
tagagatttta caaaattttt tacagaacag aatagttcat atcttgatct tccaaacttc   240
tctatatata gccttcatct tcaagtatat gtagcctcac aacgggtgga tttttcactc   300
tgttcttcgc ctgaattctt gaggcgattg gagcttgctt catatatatg tcccttctca   360
tgcgaaagttc atgctgatac gttcgtgagt cattgacttc aacaagtgtg tgacttcttt   420
catcatagca catctat                                     437

```

<210> 31868
<211> 376
<212> DNA
<213> Glycine max

<400> 31868

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agcttctgat gagctctaatt cagtattttg atttatgagc gacttacatc aaatctcggt   60
atatggatca tcatcatagc aattacacat gtaaccacaca cgtcgctcgaa ccatatgatg  120
ctaccaattt gtaattcagt taattctttt tactgtaatt gaaaattcat aattaccaca  180
atgatattct taattctatg atgctatatt attttctgat ctattgtaac agttgtagag  240
gttattttatt agcttgactt gctgaataat attcattcga ttatctctca taattggttt   300
gaattctcct taatttgatc ttttacagga ctctttgttc ttaattataa gctttggatc   360
tttacaatata tatcat                                     376

```

<210> 31869
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31869

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ntgagatagc ttctggcctg agaatcaatt gtgctaagag ccaactcgga gcaattggtc   60

```

agtctgaaca gtggatcaga tgtgctgctg atttcttgaa ctgtggacca ctacagcttc 120
 cttctgcta cctagggctg cctataggtg ttaatccgac aaggaaggtg gtgtgggaac 180
 ctattatcaa taaattcgag gctagattga acaaatggag gcacccaaca tatcatggct 240
 ggtagaatca ccctaactaa tgctgtatta acagctctgc ccttgctnta tatgtctttt 300
 ttcacggccc cttcagcaat gattaacaag ctactacca ttcacagaaa gtttcttt 358

<210> 31870
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 31870

tatgcatgca tataataatt gtcttatgca ttcttaagtg ttgtatgtgg acgttatcta 60
 gttctcgat ttaataagaa tggatcacc attactttgt ttttactatc atgttcaccc 120
 gtagtatgta agattgatat cccaaactat gattatgaaa tcaaatttct ctatggcacc 180
 agatgggatt ttcacatgga cctattacat atcttgactt tgaccggccg ggtatcgact 240
 tcctctttgt atggcattca caatgcggtt tatacatatg caagttgctt aaaactaaga 300
 ctattgctta acaaaatttg tacttgaagt atttgacata atatttctta taaaaatata 360
 tttgcttggt gcaaaattat ctttaaataa tacaaaagat agcttcacgt caccaatcaa 420
 ca 422

<210> 31871
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 31871

agcttgagaa gaatttgaga attactcaat aggttcttga actaatcgaa atttattaat 60
 cgggttccta attaaataat ttttttcaat tgaattctta aacttctatt tgtttttttag 120
 ttagggttct gtcatcaact ccgttaagga aattccatat gaaacctttt ttttttcacg 180
 aactgactcc agtttcactt cctgaaactt tagagcatgc ttaggacaaa aactttggag 240
 atttcatata ttttttttag taaaatagtt gttctgtgtg taactattta ttgcacatcc 300
 caagttgact ctctccaatt ctctcacatt gttatctttt tctattttcc ttttcataca 360

cacatttcaa atttgggaa

379

<210> 31872

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31872

cgccacgcgc gcgcgtggac ngttganatt ggatgccant tactatacac gcgacactat 60
acaataactcg cgcttacaca ttatnagatg tcctatgcag ccactctgag ttctttctat 120
gcacgcgtgat ttgaaggaat gtttcctatg cgactaatta cactgctaac cgtgatatta 180
tcacggataa caattctaata attcctaata aaagtgcattg ttgagcactt acattcttat 240
tctagaccat caattatgat tcatgaacca cgattccttg aatagaatcc ccacactcgc 300
acaaattaat gtatactata tatgtaacgt gtctattgat gaatatgtat gtcaatctgc 360
accagctgtg agattgagat gcaattgaac atcgtttgag ctacattggc attatcgagg 420
cgagttcatg ctcataaggt agtgagactt gtcattacaa actgacgaga tttcttcgct 480
cattcctgac ctactccaac ccatcatgcc ttcn 514

<210> 31873

<211> 387

<212> DNA

<213> Glycine max

<400> 31873

agcttgtgtt atgccctggc cttgaaatga ggtaacctcc actcccctaa tcacttttaa 60
cattcatgta caataaagaa aagacttgac atcgagagta ttaagcacc tgaacgaaca 120
aacaatttc ttgttggcaa gaattatggc ataacctctg gaaagatgaa tcccagacta 180
agagtgagct gaattcatat tgatttggaa gggtagttga aatgagaatg agatacttgg 240
gtacaattca tcagataaaa caaaacaagg cttcatgaat tatgccaccc acaacatat 300
cacaatttat aaagcaatgc tatcatttaa atgatatcaa tatgcggcag tgattcatat 360
gatcacaatt ttcaaatgaa tctttca 387

<210> 31874

<211> 357

<212> DNA
<213> Glycine max

<400> 31874

ctataacttaa ctatctctta ttttactaat gacatcaatc tttattcggt ttttaactac 60
caaatttcat ctttgatttc ttttctttgt tggtgctagt aatcaactac tgcccttatac 120
tttattagta tgcgacgagt gctagacaca gaggaccaga cttgtgtata tgatgctgct 180
gtcttaattt ttggtaaagt actcgcgat atgttggttg acatacatca attcacgaac 240
caacacgctt tgggaaacca ttattgatac atgcacgtgc tccgcgact ttacctacc 300
ataaataata tacatttgat ttacatgatc gatataataa tacttaacta attatgt 357

<210> 31875
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31875

agctttacag atatttatct tctttgattc ttgagctatg catttagagc taaactgtta 60
cttgagattg gttaggccca ataactgcc aaggtacagt agttaaagtc acagaaaaaa 120
gtatgaattt gtagcataaa aagggttacc ggtagtacct gtaacaattc agaataattt 180
taagatgttt ggtctgcgga agggcagcaa tgatgctcat gttttaaaac atccttgctc 240
atgaaaataa ttctaagtaa atgatgtttg gtatgcanaa ccttctgaaa ttgagctgca 300
accatatnaa aatgttctat ttacactat acatatacgg caaacatgtc gacataaatt 360
catcagttca caatattaca ctatagctc 389

<210> 31876
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31876

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attgggaaca aaattcatct gttaaataac ttatctgaca aataattcag acgtctacac 120
ccatgaataa aatttgggtt tataaaataa ttatagagta ttacatgga ttcagatagc 180

tgaagagagc cccanagaag ttaaaagtat catgaattca cagttttaga agaaaacaaa 240
 tgtgaaattg tacaaatgta cttgcatgat gtaagcctgg aattaataag tcgtgaattc 300
 ccgataaaaag caatgcccat agatcctgtt acaaatttag ctgtacataa actaatgttt 360
 aaaacaattt agaataagca tgcattctgcc aggatagcaa gtagctaata tgcattc 417

<210> 31877
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31877

agcttgaatg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
 aatctgtacc tgtcacaagg gtttgtgggt tgtgtcctc tgctgaccac catacagaac 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaaca 180
 tttaacaatag acctcctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc aatctcagat ggctagccct 300
 caacaacaac aacaacagcc tgctccttcc ttccaaaatg ctgctggccc aagcagacca 360
 tacattcctc caccaatcca acaacaacaa cag 393

<210> 31878
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31878

actacgtaca actttntaag tgactgggtt tgaagaaatt cccaaaagtc acaactttta 60
 agagtttttg ttcaaacactt gctttgtcaa gaaaagttca ttgggcaaaa acttgtgtta 120
 ttctattttt cttcctctcc tccattctta caaaaagctt ttcaaaaagac ctattcttgg 180
 tgactgtttt caagagaagg tcttcttgggt tacaaacact gaacacaagg gaccaacgct 240
 ccttgggttc attgcaagaa gcaggacttg cttcttgggt cgactggac acaaaagcaa 300
 acgtcttttg gggtcattgc aagaagtggg tataacttct tggttgttat cattggacac 360
 aagggacca cgttccttgn gggtcattgc aagaagtggg aataacttct tgattgtaat 420

cact

424

<210> 31879
<211> 361
<212> DNA
<213> Glycine max

<400> 31879

agcttcgttg atggatgctt gcctgtggag cttctatgga agctggatct ttgagctcca 60
atgaagtcct tcaatggtga tttccacca tggagatgca tcggatggct aaggagaaga 120
ggagaggggt ggcaccatcc actagggat aagccatgga ataaggagct tcaccacca 180
taatgtgcca tggataagaa gcttctagag gatgctttaa tggaggagaa gatagagaga 240
acgggggagc cccaaattga aggaattaaa caggagagacc gctgaacttt tcacgtgcct 300
cataagaatt ttcttcatta aaggtacaac gagtgttaca catgcctcta tttatagaat 360
a 361

<210> 31880
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31880

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gattttggat gagagagaga aaagtgaatg tttatgcaaa aatgcttggg cacgtctgag 120
tgtactgatg ttacacttca ctaagctatt tttgactctc tcgcttagcg aaatgttgtg 180
ctaagcaaac tcgagagacg ttcggtttct caaggcctgt cgcttagcga acccttgccg 240
taagctatctt tattattatt attatttttt acaaatttcg cagctacgct tagcaccgga 300
tcgaaccgnt tagggagatc tgcagatcag aaaacctaca actctcgcta agccgggctc 360
tgggcccact tagctaaaat catgcattat gagtgcagag gagtgggcgt tgagcggaca 420

<210> 31881
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 31881

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aatnnnnnn accgcggggn ttgattgca tcatgaccat caaggcgaat tccactcgg 120
accccgagat cctctacagt cgaccgcgg cctgcatgct tatcgtccac agcagcaaca 180
tctcgagcat cctcatgcat aacattcaat gatgccaaaa cttcttttaa ttcagacact 240
accccaattt cttcaacggg cgaggagtca tcatgagaat cacaccttaa ccacacatct 300
gcaattattt ctacaatata atgcgtcaaa cgatgatgac tcattctttc cccaacctat 360
gcatgccatc ttaccgcttc tcatacttct tccctttcat attaccataa cgcttcttga 420
agcacataag acaatttgcg tccccctca gccaccact ttagagaaat ttgagtcttt 480
gaaacttaat ataaatatcc caacatcttg acaaccaa ataatctca aatcttcctt 540
tcactacc 548

<210> 31882

<211> 222

<212> DNA

<213> Glycine max

<400> 31882

cttcgtaa atcttataatg acctaaacaa tttccaacgt cgtggactga caggctaaca 60
atagttgtca agcaacatgg ttctgctcaa tgccaaacaa accctactat gtttgtaag 120
cactctctgg atgcaaagac acccctgctt attgttcatt cagatgatac tcataattct 180
acgacacgat tatgatcaaa taaattatct gaagaatctt ct 222

<210> 31883

<211> 387

<212> DNA

<213> Glycine max

<400> 31883

tgcttctaaa ttaa atgttc ccagaaacgt atcctataaa caaagaacgt tctcttctg 60
tgtgatagat gttctcgttt attttcaact gttgtgatct ctctccttt ttttttgctc 120
tatgtctctc cttttctccc tcgattttct tgatctttat ttatagtaat tcctaacaac 180
ttatctaatac atttcactgc acatttctta tcttatttta tcatatatat acctataaga 240

taaatctaata aatttatctt ctttcattta tcttatattc ttctcagatc aaccactatg 300
 ctcaataata gcacataaac taaatatatt attttatctt atctaaatca tatatatata 360
 ttctatccta ccaaataat tatttta 387

<210> 31884
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31884

tgaactatag ntactccgct tgaatgggtga ttttnccttt cttaaaaata attcttgtgt 60
 tttgaaacgg gttggctgtc tagaggccag ttgacgctgt gtttcattct gattccttca 120
 gcgatgtgca tgtacgcgtt aatcctgttt atgtccacac tcttccttta gctctttcaa 180
 ctgggggtcca ccatgcatcc tttttgccac ccttagtgga agttcctatc atatcatctt 240
 tgatcccttt atatcataac tgggatccag ttcttaaaat attnccttta cgccccctt 300
 catttacttg ctgacagatt ttatttgatg a 331

<210> 31885
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 31885

tagcttggag ggatttatgg ggacccggtg ttgagaggaa cgaggataag ggctacgtgg 60
 gagtacgtga gctcagctga aggtgggcaa ctgggggatgg tggatttttg tgtgatttgt 120
 ggatgtggag agtcgacttg caccatcgcc cgatcgccac ctattaccac atatgacggg 180
 taccataaa tctacaagc ttgaagtgaag aaagtgtgga agagtcagtc ttcctacttt 240
 tattcggtga ccacagagtg gtacatggag atatgtccgc gcgtcacgca ccttgtggac 300
 gtcaagtggg gtgctatttc caaaaccaa gcttgaccaa tccacacca acctcgatcat 360
 agtcagtcag tgagaacctg t 381

<210> 31886
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31886

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ttccacgaag aggtctanaa gagacgctc ttcggaagg tccagtgaca cctccgagtt   60
cgatagccac cgtttctgga gcgtacagca ccatcagcgc ttccaggtca tcaaacgatg  120
gtcgtttcac atagagagggc gcattccgct cacggaggat gagtctacag acttttcacga  180
agagatagct cgcacacatt ggacgtccct ggtgactccc atgggctaacc ttgacccata  240
gatagtcctg gagttctatg ctaatgcccc cccacccacg aggcgtgcga gacaatgcgt  300
tatgggtg                                     308
  
```

<210> 31887
 <211> 387
 <212> DNA
 <213> Glycine max

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<400>        31887

agcttgggat ctaaactttg cggtccttga gcggcattga ggtggtgact tgggaaccct   60
agacagggag tcgaagagtg agagcacaag agagttgagg gaaaaatgaa atattaaaaa  120
tagtgaaaaa tattttaaga tggttttgta taaaccatct taaaattgca aaactgtcgt  180
aaagctattg cattttattt caaaaatgtc actagacaca ttttccactc ctgaaaatca  240
attgatctac attttaaatt ttaaaactaac tataactcct ttctatttta agggagcact  300
atcatcaatt aattttatct accacaaacc atttaaatat cagaaaatca tagagaatat  360
tattttatat ttattaaatt aaatatg                                     387
  
```

<210> 31888
 <211> 407
 <212> DNA
 <213> Glycine max

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<400>        31888

tcatggtaaa tcaagattga ttcaaggagt tttgatgata acaaagatga tgacaaaaag   60
ctcataagtc aagatcactt catgataaca aagatgatga tattcacgaa tgagtttaag  120
attgagtcaa gaacacttta aagatcaaga ggacacttga tttcaagaat caagaatcaa  180
gattcaagat tcaagattca agaataatca agatcaagat tcaagactca tcgattcaat  240
  
```

aatcaagaga agacttactt aagataagcc caccagttt ttcaaccatt gagtatcaca 300
 agaagttttc acaaaatcat taccaaagag ttttactctc tggtaatcga ttaccagact 360
 atagtagtgc attaccagtgc gttttaaaac gttaagactt tcacaat 407

<210> 31889
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31889

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 ggtgattttc cacaatggag aatcatcgga agacaaagga gaagagggtga gaggaggcgc 120
 catccactan ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg aaggatgctt caatggagga aaagaaagag ggagagaaaag agagagggggg 240
 gtgcacgaaa tggaaggaat aaaagagggga gcacgcggaa ctttaagtat gtctcacaag 300
 actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactacgtag 360
 cttccttgag aagctctctt gag 383

<210> 31890
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 31890

taagagaaaac ctactcttag cttcaaattt gaaacaccta ttctagcatg cagtaaaact 60
 cttgcatatg tcgtaacaat gcgtaaaaag catatgaaat agaatcaagg agagatacaa 120
 cctttacatt ctaatgcaag aacaacttga ttgaatggac ctctcttgat ctcaagtgtg 180
 tttacaactc actaatcaca caatcttgag agaaactttg ctttagaaat ctctaagaaa 240
 caaaaaccga agtttgtgag ttgtaaaagt tccccacaga ttgttgactc gagaacacaa 300
 ggagggtaca tgtagagaag atagttataa ccggttgatc tcaattatta cgtgaacgta 360
 atcaattgca ttctccattt aatcgattaa tgtgtccttc ccaaatacta gagaacat 418

<210> 31891
 <211> 389

<212> DNA
<213> Glycine max

<400> 31891

agcttataag aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaattg 120
gttataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacaa ttaccatttt cttgacatat cctataatta aagaaaaaca 300
tgcaaagtcg tacgtgcaca cgaaattgac ccaaaatatt aaactgaaaa tctgacgaaa 360
ctaacaacat taacaaatta acacaacta 389

<210> 31892
<211> 235
<212> DNA
<213> Glycine max

<400> 31892

tatacccatt ctttaacata tctcgagctg ccatcataga ggtatcatgc aaacgtgggtt 60
gtattgaacg agactccaca tatacactat ctacaatttg caacgctgga aacgattttat 120
ctaattgactc ctgtattgct ctaacataat gcattgaaga tggacacctt actattatgt 180
aatactaagc tgaaactatc acaagctgac ccccatcaca aatttttaatt tctta 235

<210> 31893
<211> 382
<212> DNA
<213> Glycine max

<400> 31893

agcttttggg atcaattacg agcgtctcga tatactacgg gacataatcg gacatgcggg 60
taaaaagtta ttgttatttg aatttgctca tacgttctgt tttcaattac gatcgcttca 120
atatattatg ggattcattc ggacatccga gtaaaaattt attgccattt gaatttgcta 180
cgagcttccg atttcaatta cgagcgtctt gatatacaac gaataacaat ccgacatccg 240
agtaaaaagt tattgtcggt agaatatgcc tccagcttct gtttcaatca cgagcgtatt 300
gatatattac gggactcaat ccgacatccg agtaaatagt tattgccatt tgaatttgct 360

catagcttct gttctcaatt ac

382

<210> 31894
<211> 383
<212> DNA
<213> Glycine max

<400> 31894

ttccttgtcc cttgatatat ttgagggact tatggtcatt atgaatgaca aattccttgg 60
gataaacgca gcgttgccat gtattcaaag cccgcactaa agtatacaac tccttatcat 120
aagtcgaata gttaaaggta ggaccactta cattttcaca taaaataagt cattagatgg 180
ccttcttgca ttcacacagt cccaatccca acatttgaag catcaaactc aatctcaaaa 240
gattcctgaa cagttggtaa cccaccatc ggggcattcc tatcttttgc ttaagaaaat 300
tgaaagcttc ttcttgtcta tattcccatt tgaaaacaac atttctcttg accaccttat 360
tgagaggtgc tgcaatgtgc cta 383

<210> 31895
<211> 393
<212> DNA
<213> Glycine max

<400> 31895

agctttgatc taccaccacc gcagccaccg tcactttaat tttctattat ttaatattac 60
tagtacttct ctttctagcc gtgtatttgg ctatattaag acatttggat aatttagtat 120
ttctttatct gcatggtttg aatgaacaat tatgaattat attatatgac tatgtgtttc 180
atatttttta attattcata tatgttttat ttgaatatta tgaatgactt tttggattat 240
aagacattct atgaagtatt atctttctaa gattgatgaa tgacaagtta tctttttgat 300
tgttttctat tcttttgtat aacatttatg tatgggtttt atatttcttg cctttctaag 360
tttgatgaat ggttaaatta tcttgtttaa ttg 393

<210> 31896
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations

taagcttgac tcacacaaaa catggcaagt tcaacacgct tcaacaaatc tcttccaatt 300
aactatcaca aagcataaac caagtaaaac taccatcat atctnccaaa gccccatacc 360
cacgaanatt taggtgagaa gaagtctacc caaacctgag atnttgaggt cccacacgta 420
g 421

<210> 31899
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31899

agctttctcaa ggaggtgagc ttagttatga gaggggtgtg tgtagctaag ctctagcttc 60
tcaaggaagt tttctcaaag aagctttctca aggaagtttt ctcaagaaag cttctcaagg 120
aagctaccta gtctataaat agaagcatgt gtaacacttg ttgtaactct gatgaatgag 180
agtcttgtga gacacaactc anagttcaac ttctctccct ttttcttctc tcaatttcgt 240
gctccccctc cctctttctc tccctctttc tttntcttcc ggaagcatcc tcccaagctt 300
cttatgcaag gctcatcttg gtggtgaagc tccttcttcc atggcttatt ccttaatgga 360
tggcgctcc tctcacctcc tttcctt 387

<210> 31900
<211> 410
<212> DNA
<213> Glycine max
<400> 31900

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tacctggaga tatgtcgcgg gggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atccccgacc aaccgggca tagtcggtca gtgagaacct 180
gtgatgtacc taaacaggcg agtcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtggtg gctggccagc tgtgcacttg attgatatgt gcatatggcc 300
tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaaat gaagatagga 360
ggetaagatg gtctctggta atcgattacc aagggatgta atcgattacc 410

<210> 31901
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31901

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 gcaagtcgac tctccacatc cacaatcac acataaatcc accatcccca gttgcccacc 120
 ttcaactgag ctacgtact ccacgtagc tcttatcctc gttcctctca acaccgggtc 180
 cccatcaatc cctccaagct tccacaacat ccaagcaatt ccacatccaa acatcatgaa 240
 ctatcaaaaa ccaagaaaac agggcagatg cataaaaantc ccccaaaaaca caaccaatac 300
 cacagctttc cttactcaaa taccacagta acattctttt cgttccaatt cgttcaccgt 360
 tggatccact cgaaaatttt actgg 385

<210> 31902
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31902

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 agaagaatgt ggcatttacc tgnngtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgaca cctccctac cccacctatg acaagagctt 300
 tatgccttaa taagagccct ccagacatgg gaacattacc ttgtttccaa ggaatttgct 360
 attcatagtg atcatcaatc acttaagtac attagagggc atagcaagtt aaacaag 417

<210> 31903
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 31903

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 caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc cagggttctgc tatccactga tttgaggaag gccaccattc ttgctttcca 180
 atattcatag ttgcttccat cgagaattgg tggctctgtc actgggtccgc cttctttctc 240
 catgttcac agaatattac tccttagatc tcaactatgt atcccgagcg tcgctctgat 300
 accaattgaa attctgatac cacgggacag atgtcgtacc ggatgtcacg acatcacgct 360
 tcagaacatg 370

<210> 31904
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31904

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 ccgattgagc tcctgtaata tatcgagacg ctcgaaattg aaaacggaag ctctaagaag 120
 agtcaaacga cactaactct tgactcggat gtccgattga gtctcgtaat ataccgagac 180
 cctcgtaatt gaaaacaaac gctctgagta aattcatagc acaataactt ttcactcgga 240
 tttccgattg agtgccatcg gatatcgaga cgctcgtaac gcacacggaa gctctgcaca 300
 agtnaaacga caataatttt taactcggat ctatgatgga gccctttaat atatcaagac 360
 gctcgaaatt gataacggaa gctctatgaa aagtcaaacg accataacta ctgactctga 420
 t 421

<210> 31905
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 31905

ttgcttcaag aaaaggccca aactcccctt caaaatctaa tttcaggctt aaataggtgg 60
 ctttgcttctg gcttgctgtc ttagcacaat tttgaaccgc ttagcgctca ttagtggatt 120
 ttggcttagc gcgtgctttt ctgctcagc ggatggactg aagcgggtgcg cttcgctgga 180
 tgacccttcg cttaggggcaa atgcatagct catccttctt ccagattctt cctcgcgctc 240

agccgagcag tgttgcgctc agcggatggc tcgcttaage tcatattggc tctcgacacg 300
 gtgaaaatca tcacttcaca aacttgccta atttacctga cattgagaga aaatgattat 360
 taaacacaca aaatggacat tctaagtatt ta 392

<210> 31906
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 31906

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 gacggacaat aatgcttaga gaaccatgct cgcttagccc gtatgacttg tcagctaaga 120
 gaggggtgtct cgcttagcca gagtctggat ttctctgtag atgcactaag cgcgccctgc 180
 ccgctaagcg tatcagctta tattctgaaa gcgcgctaaa cccgatgtct cgctaage 238

<210> 31907
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31907

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 tgcttaagct cccgcaaaat cgaagcctcc ttcccaacag tgtacctgca caaattaata 120
 gttaaaaccc aaaaagcatc taaaattctc aataaaatca aaaacaaaaa gctctagtgc 180
 ttcattcacc ttatccccc aaatgcagatta agcatcaact cataattctt atgccccttg 240
 gaaactgttt atccaggtct ttccacctcg ctcgagaaaa acaacggttc ctctcatctc 300
 tttctctata caatccgacg tcgttccgct gcggtaaaac atcgacgcct tcacattatc 360
 gataatatcg cacgtgatgt caccggctcc acc 393

<210> 31908
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 31908

ctatcaaagg cttggcaaga caggtagttg tggatgcatt gacgtacaca acagtgacat 60

catgatactg tactatctat gcacttaaaa cgactctatt aaagggttaa gactacgcta 120
 ctgcatatgt gatctgagat gagatctacc atttatacct gccgaaagga catacacaat 180
 ttatgcacct tatcaattat gacgtactca ttacctacct ctgacttgaa ggtgatacat 240
 gac 243

<210> 31909
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31909

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 aannnnnaan acagccgagc ggtgattggt gcctcgacna ccanaggcga aacgagctcg 120
 gacgccggga tactatagag ccgacctgaa ggcatgcttg ctttgaaatg ggatttcgtc 180
 caactctttc cgatgttcgt ataaagcgca atgagcatag cgaatataca tgctgcatct 240
 gcaaagctat gcatgcatgc atacgtgcgc ctttaatacac acttcaatca aaacgaggag 300
 aaaactactt cttctgtttg agaactcgta atacattaaa atactacaca tttgcagaca 360
 ctaccttccg tattctcacc ttgaaataag atcactcata aaaacgaaga accacgtgtg 420
 tgagtaacaa tcgcccngcc cagccctgat catcagttgt gataaagaat atgctaaaac 480
 agagtacgcc cgcgtaccat tactgctgat cgatacaaac catagggatg cccc 534

<210> 31910
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31910

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 aaaaagaatc tattttaaca agctcaaaaa gaagaaatta acattcacac ttagagaatt 120
 gagacattaa aggtattcat aagaagaagc tcttcagcct atagtaactt ctgtataagt 180
 tgacttgatg tttaacctta aagtgggtggc agcacctccg tatccctcag tcgccgccgc 240
 cacaggctgc tgccggagtc gttggcgaag aagaaccgtg atcggtggtt catggcaccg 300

agcaatggag ggtgtgataa tgggggatgg aagtgtagta gtttgagtgg agaagctntc 360
aatctcaaaa agatcagaac ttg 383

<210> 31911
<211> 405
<212> DNA
<213> Glycine max

<400> 31911
gtaggaagtt tgtttttccg aggtctccac ccaaacatgt tatacatgct gcttaatttg 60
ttgccgggac taagaatgct tctccaaata tatataatat ctcaaggaac aaggctcttt 120
caagtatttg cgtcaacctt tgtactaaaa gttacattat ctaatatata tatatatata 180
tacatatata tatatatata tatatatata tatatatata tatatatata tatatatata 240
tatatatata tatatatata tataatacgc cccccccct ataccgagac atatatgcga 300
ttgtgcgatt tattcacatg tgtggcatat caatgctccg gagacactgc gagagaaaac 360
acccgatcct cgcattacgt ctatgtattg cgactgacac gaggc 405

<210> 31912
<211> 364
<212> DNA
<213> Glycine max

<400> 31912
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ctatgcaagc tgaaagcctt ggaggaaaga tgtatgccta tgttggttgat gatgatttct 120
ccagagttac ctgcgtcatc tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgcgtcat caagagaatt aggagtgacc 240
atggcataga gtttgaaaac ggcaagttta tcgatcctgc acattgaacg catcactcat 300
gagttctctg caaccatcac accacctcaa aatggcatag ttgaaaggaa aaacaggact 360
ttgc 364

<210> 31913
<211> 366
<212> DNA
<213> Glycine max

<400> 31913

tgatataaac tgacgaaaag aaagcccttg tgaacgtttt ggacatgata gctaataaaa 60
 taatacatga cttgaaagtc tcggattcta aaacttatcc gttgtagaac gaataggggt 120
 gaataacgac ggaaaaactt cacggatttg ctcacagaaa cgtcttgga acacctcaac 180
 ttggatattc ttcatggaaa cacttttatt tcacccaaaa cagctgatat gcatagacta 240
 ctgtgttagg gatattagga acgacattgc tcccctactc atttgatccc ggggatgacg 300
 ttgctgttca tttttgccag gcgatatggg ttgactactc tagaaacatg cccgtcttta 360
 tatatc 366

<210> 31914

<211> 386

<212> DNA

<213> Glycine max

<400> 31914

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 ttaatagtta gagccaaagt atgggtgttg attaggtagt aacgcagggt atacaagtct 180
 taaagctcta gacagagtga aagttttgca tctcccacca tacctattaa ctattattgt 240
 taaatcgggt tcaatattaa cttgaaatga ttgtcccaca gtgcgcaccg cttatgttta 300
 ttgaataatt gattcagtag caaaatgtca tgcacaaagc tattcttgtc aaaagggtccc 360
 atgacagata atttttaaac ttctat 386

<210> 31915

<211> 376

<212> DNA

<213> Glycine max

<400> 31915

agctttatct tcacagaaat cgtgtgattt ttttttctct cggcgagacg attgtgccta 60
 agaaaatctc gagtagttga catgcgttgc ggttcacgcc gacgggaacg ggtgacaacc 120
 agaggattac tcccgctctg atggaggcta ttagcggctt aatcgaactg tcttgatcatg 180
 gctgtaccgc ggtaaataaa agattcttct ctgaagattc gaatcctact gatgaactta 240

ttcgttgcag tatgctgtga atatgaatgc ccgctacctt ggcattccacc gattgttgta 300
aagtgaagc tgccggtgcc tacactatga agtaatgcac tttttgcttc ctatcctact 360
catacattct gacttt 376

<210> 31916
<211> 476
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31916

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actatagata tctgaagctt ggctatctat acgagcatta aaagagatgt ttaaaatgtc 120
agtacaattt gtcgacgagt atcagaatgc tttaacccat tataattaga tcataatgaa 180
cgaggctctt caagatttgc gtcaaactta gcactaactg attattcttg gacactatat 240
atggcatatc aatccacatc gatctatata ttatgacaca tatatactga gaaatatcaa 300
taatcctaga tatgtggatt agaacttata acttccgcac ccccgacac ggccgcgcac 360
tgtatcgcat ctgatgatta caatagaaac ggggtgcttg ttatttgaca aaagatggct 420
acagacatca ccccgacgaa gagcttctat taattgacaa aacaccacca ggaccg 476

<210> 31917
<211> 393
<212> DNA
<213> Glycine max
<400> 31917

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tctctttttc ttttcatttt aagcatcatg atcaaattct taaaaaatga tccgtgacta 120
caatttcaac cgttgcttca aggttttttt gtagtcacta gctacaataa caattacagc 180
catatatata ggttctctac aatttcttgc aacatcaagg atcgtgatgg aactatatct 240
gctgtaattt aaaaccttga ttatgagttt ttttctgctg ctgcttaatg agggctctaat 300
tttgctcttc tctggattta tgggtggttg ttgtaggtag ttaattgagg taagttcaga 360
tccttgaggt ttggtaactt gcttctaacc cgg 393

<210> 31918
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31918

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 ccaacagtga gagagaaatt tcaaaaacac cattccttaa gacggatctg taatgggtctt 120
 atggaatgtc aatccgtttg tctatacata attttttaaaa atgtatffta caaattaatt 180
 taaaattaat agctcatgta gaattcgaac ctatgactff aagggttatta acacaacact 240
 ctaatgccaa taagccaatt atattataaa ataattacat tgttttatgt aacactaaaa 300
 tttctaattg atatttaatt cacatgtaag tntatataat aattttttgtg ataattttga 360
 tctcataatt aattctffta catatataaa tttttattaa acgtataatt tttatt 416

<210> 31919
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 31919

agcttgacct ttgtggctat tgccatgaat ttgcgggtga acaaaagata tggctagttg 60
 tatatggatc tagaaattag aaaaaccata taaaataggt tacgaaagga ctctagtagc 120
 tatcttacga ttatatfftg aaataggaaa ctaatttgac tgcacagctc atgttatttc 180
 gtgtgacttc agtccgagta gaatgttaat gagctctfff ggctgttat ctttctatta 240
 atattgtcgg ttgtttcttg gtacaacaat ggtcggcctt acggcccggc gatttacaga 300
 ggatagccgt ccatgatcca tgatccatga tgaagcagtt at 342

<210> 31920
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 31920

tattaggttc tggatatatt agttcaatgc tataacaacc cagggagcct tgcgtgatcg 60
 tttttttaat agcttgattt gaaccatgtc tgagtttgta atccggacta tctaattgtac 120

aaattagagc acctaataatt aagtgacatt tattaattaa gcattacctc cttttctttg 180
acattaatga ggcgactact attaacctcc cattaaatgg ttaaacaaga gtgagtgacc 240
attacacaac attgtagtat ccatcaatta ccctaacgcc tcctccatgg aaactcttac 300
aatgtgtttt taagttactc tttatgt 327

<210> 31921
<211> 385
<212> DNA
<213> Glycine max

<400> 31921

agcttgtgca ttcaatatcc tgatgagggg gttccatatg ttctaaagac tagactaata 60
catttgctgc ccaagtttca tgggtcttgca ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tttgttccac catgaagccc cctgatgtcc aagaagatca tatctttcta 180
aaggcttttc ctcatctctt ggaggggagtg acaaaagatt ggctatacta ccttgctctc 240
aggtccattt tcagctggga tgaccttaag aggggtgttct ggagaaattc cccctgcatc 300
taggaccact gccatcagaa aagatatttc aggcacaggg caacttagtg gagagagctt 360
gtatgagtac tgggaaagat tcaag 385

<210> 31922
<211> 417
<212> DNA
<213> Glycine max

<400> 31922

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gcccctactt ttgaggggca actcccacct tatgaagact atcccgggca agacgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atcaatcccc gtatgaacta 180
ccccagccga acatagtctg ccatatcccc gcctcaccca cgcccgtaaa agaactctgtt 240
cccttcgagg aagatagggg aaagattgag gcgccgaaga gaggttgagg gcgtcgaggg 300
cctcggaat tacctattct cggatttggg agatttatgt gttgtgcca acatcgatcat 360
ccctcccaag ttcaaagtac caaactttga taagtacaaa gggacgacat gtccaaa 417

<210> 31923
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 31923

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acatatcgag acgctcgaaa ttgaatgttg aacttttgag ctaattcaaa cgacaataaa 120
atttttctcg gatgtctggg tgagtcccg agcatatcga gagctcgaa attgaatgtt 180
gaacctctta gctaattcaa acgacaataa cttttttcac ggatgtctga tagagtcccg 240
taacatatcg agacgctcga aattgaatgt tgaagcttca gccaatcaaa acgacaataa 300
cttttttctc agatgtctga ttgagtcccg taacatatcg agacgctcga aattgaatgt 360
tgaagctctg a 371
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<210> 31924
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31924

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taaacattca atttcgagcg tctcgatata ttacaggact caatcaaaca tccgagaaaa 60
aagttactgt cgtttgaatc tgctcagagg ttaaacattc aatttcgagc gtctcgatat 120
gttacgggac tcaatcagag atccaagtaa aaagttattg tcgtttgaat tgtcttagag 180
cttcaacatt caatttcgag cgtctcgata tggttacggga ctcaatgaga catccgagta 240
aaaagttatt gtcgtttgaa ttggctcaga gcnttaacac ccaatttcga gcgtctcgta 300
tatgacggga ctnaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 360
gcttcaacat tcaatttcga gcgtctcgat atattactgg actcaatcag acatccgaga 420
aaaaag 426
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<210> 31925
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 31925

cttcttcttaa aactcgctct ttgnngggttc cacattttcc aagagtcctt ttgtgttttt 300
 caaaaaaatc cctaaagatg ttgctttgtg agatcttttc atccttgaac ttttgaagac 360
 tgtgtcatgc ttctgtgggg gataccttga t 391

<210> 31928
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 31928

tgcacaacat ccaagaaatt caacatccaa acatcatgaa ctatccaaaa ccaagaaaac 60
 agggcagagg cagaaaactc tgcccaaac acattccaat accacaactt tccttactca 120
 aacaccaggt aacatcctct tcgtttcggg tcattaactg cttgatcgat tcgagaattt 180
 ttaagccttg taatcgatta cacacccttg gtaatcgatt gccagaggtc atattccaaa 240
 tattactcaa gatccatagc tggccagtca ccacacgcc tccttgcttg gggcttttgg 300
 ttttatatcg gttgactgcc aagagctcgc ctatttacgc acgtcacagg ttctcactga 360
 cggactatgc cgggcgttgc gtcgggattg ac 392

<210> 31929
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 31929

tactaactac caagtatcag aacgtcatca attgacattt ctatatatat atatatatat 60
 atatatatat atatatatat atatatatat atatatatat ataagcatgc cacacctttg 120
 agagatacta ttcatcaaaa tcagcgtgta ggtattcacg tttctcagta agagattact 180
 gaggttgga atttcattaa gagtaggtat aatttgctag acatacactc tagaaagagc 240
 atttctaaaa agataaaaaa cctctaaaac aacactcgca gctctcattg catgtttttt 300
 atccttttga ataattacaa tagcgtgtga gcacataaaa gaatatcatt tatagacttg 360
 cgtctcctgc caaacatata ag 382

<210> 31930
 <211> 395
 <212> DNA

ttattgatat gagcagtgac agagagaccc tctccctctt tgagggcgaa cagacggggc 240
atcgagcata ctctgatggc tgctgacgac gtttctgaca tatgtgatgg tgc 293

<210> 31933
<211> 122
<212> DNA
<213> Glycine max

<400> 31933
cgtattctag cttgggttctg gaataatcat caaaaaatg caaaattaaa caacacaggt 60
actcgcgga gaacgttctt ccgcaggaat ggaaagctct cccgtggaag aacctttctt 120
cc 122

<210> 31934
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31934

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cataaagcct ctaataaaaac aactctcatc atctctaagt ttgacttcct acaatactct 120
agtacatatc catattaagt tgggttatat taatagttac ctccagtcgt aaaaataaag 180
tcttatgaaa catatacaaa tactcgggtg ataatcgata tggatcatatt tcaatctatg 240
tgaagagtgc aagaagattg taacaccacc ccaccacttg ctctctaat gtgattgatg 300
ggggaccctc ccagctagct atcttagtag gatcaagcta tactcgaaga tataacgggtt 360
acaccatacg tgaaagcctc gtacttgata aaccn 395

<210> 31935
<211> 337
<212> DNA
<213> Glycine max

<400> 31935
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gagtattttc ttacatatta tgtgcctata ttgttgcgct caactgggct atggaaaaaa 120

taagttgctt gatgagatat actcgtacag atggatgaaa attatatcaa ctattaatta 180
aaatttaa atattttctta tctttataat atagcatttt tgtgtttcta atccatgtaa 240
agtttttttt ttgtctttgg caaattatga ttctctctct acacactctc cgacaagctg 300
taaaattatt atctaataca tgtgaagaac attaaag 337

<210> 31936
<211> 397
<212> DNA
<213> Glycine max

<400> 31936

atgttgattt gggaagggag tacgaggaat ggcgaataat ttaagcccct caaatgctct 60
aacagtgcgc catcgatata caaactcagt tatcagaaat tcattatgct ggggccatga 120
atccattatc caactgactc gaatgtgata gcacccgctt ctgcttagac tcaggcgata 180
acaaatgaac ggtcttcacc ccgaattagg ttatcagtca acacctcctt gaggctgagt 240
tactccacac attttaactc cctcctaac gctgaagcct taactttact ggtagcaaca 300
gagataaatt tcactctcaa taccatctta tgaaaaatgc actgagagct actactcaca 360
acaccacccc ccacaatatc actcacctag cccctaa 397

<210> 31937
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31937

agcttgaaga aaaaaggcca gtaagtaatg tataaattaa catagtgtga aagatgagaa 60
aaattaatct taaccattaa ttaatcaacc cctatattat aaatgactac cattatttgg 120
tacgaattga gacgaaaaag aattacaaat catgtcaa atcattattta atctatacta 180
tcatttatgt ctattttctaa attgaattat caataaataa ttntattcta ttagtacatg 240
tgccatttat tctaaaatta aaattaataa ataatttgta acactaaatt tatcatagta 300
aataatatac accaattatc aaacgtgtaa gtgttaccta agaagtcctt ttctccatcc 360
ataagaataa agtaaaggcc tatcggacat ataaa 395

<210> 31938
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31938

tcaagaaaaa gatggcctca gcaaattcct tatttccata aggaaattct atcaacagac 60
 ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
 aggcaataga tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaaaac gactacacac aacctaaaag ccaacacata 300
 ataacatctg nccataggaat ggatgaatat ttcagagttt caaattgcaa gactgctaag 360
 gaaatgtggg acactcttcg attaacacat gaaggaacta cagatgttaa aagatc 416

<210> 31939
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31939

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 atacactact ccggtcttac aaccttggcg acaaagatgg tttggctgac ggaggggtgat 120
 gatagcaata catatatctt ggaatgggaa gagcataaca gctacataga attggaccat 180
 agcaggccct gaagacattc cagagtaccc acacgcttca atgactgtgt ttgacgttgt 240
 taagcaagta ctaatatcta ctttggtatg ccattatct attccactat ccctgncttt 300
 acctagttat tataataaaa gagaatacat gcagtcttga ctctgttagc actgtgagcc 360
 ataagc 366

<210> 31940
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31940

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 ataatgtatt ntttaatatg gcacaccagt tcaagaaatt gtacttgaaa attcagaaat 120
 tcctgttgaa acatttgcac caaaatactg caaataccaa tttcctttac ggattgcctg 180
 cggtcctcct caagcctttg attcattgaa tgactttttt tcacttcatt tggcaatagc 240
 agaaagactg ctacttatgc atgttgattt gattanatcc tctacatttc aatactggct 300
 ggtacaatac atttaaccgg tccttgaatt tatattttat aaccaa 346

<210> 31941
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31941

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 ggaatattca aaatcagaaa gcataaggaa aatttcattt gcaatcccac aatctaggaa 120
 acaaccatat aattatttaa gggaaaacct tccatagaca acaattcaga accttaaattc 180
 tacacactaa ataaaaaggt aaagaaaaaa caaacaaaga aaacactgag gtacatcatg 240
 caagtctcga taatttaaag actcagctct gaattgagac gactgacact gatcgagatt 300
 ccatcctana aactcattag cacactggag tgtgaccaca ttagaagggtg acagggtcgat 360
 ctagacaccg taacaaattn tttccatcat 390

<210> 31942
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31942

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 gccgaaggag tgttgaaaaa ttactcaatg catttttgta ctaaattggat atacatttct 120
 tataaaatgt aggtttgttc tatatgcctc tccaatgaaa aggacttggt ctttggttgt 180
 ggacacatgg tgagttcttc caaacgccat tccttttttt tttttttttc atattgccat 240
 acacatgata actatgaagt tattcttacg caaactgcag agactgtgga tcaagttatc 300

gaagtgtcct atatgccgtg aacagatcac aaaccatatt aagctatttc ctgngtgatt 360
atgggccagt ttgtttaaac ttatttgttt aaaaaagttc ttattttaat aaaataa 417

<210> 31943
<211> 390
<212> DNA
<213> Glycine max

<400> 31943

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gggtcgggga caaaacgtac gcccagtgcc tgaaaaattc gcatgggcat gcgcaagctc 120
tcttagcacg acgttttgatt ttagatgcc aacaaacaac ctgccactaa agatgacatg 180
tcttcttcct ctcattoceg caaaacgacg ccgttcattc atggggaccat cctactaatg 240
tacatgcctt tcagaatddd aaattggctt aattataaca tcatcagaat ttattattta 300
agttttattd ttggtaaattd tatcacttta aatttataat tctataaatt ttattactta 360
aatttttttc acaaatttda ttatttdaat 390

<210> 31944
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31944

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gcatgaataa aatgtaggtc tcttttaagc ccaatataag cttagcccac aaaaagtatg 120
tgcaaattgg gctttccatg atcttagagg taataactct cacatatccc aatattccat 180
gatcactgcc aaaattcgga aaaaagtgc tagttaattd cagctacctt tgctaaatac 240
aaaatcaatg atatccttag gtttttggac taatcatatg aaaaccaatg acaataactg 300
gtagaggcga agaaggcaaa gattcgcgtc cagactgtaa gtttgtgatg aaacctaaaa 360
ggagacagan attgngtttc gtttcaaacc taaggttttg gatttaggac aaaaga 416

<210> 31945
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 31945

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 tgatatcgga tcttcattgt caattaacct tcaactcttct ttgagtaaaa tccaatatatt 120
 cagcacttcg aagatgattg aactcactga aggaggatta tactacctct agcatcctag 180
 ggaaatccct tagactgttc ttctgttttt actaatactg taaatacaaa caacaatgac 240
 tttgctttta acccgtgtca ttataggctt ggaaatcttc atctaagatc gttgataaat 300
 ttgtactact ttcccttaat ttcatttaaa taaaaaccaa gtttgtgact ttntctgtct 360
 tgctaaatag tcaagacaat ttc 383

<210> 31946
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 31946
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 atccaatcct tgtgttcgga ctctcagcca cttatgatag ccgtcgatga tcccattact 120
 gcttccccta agctctctgt cctttcttca cgccgcatcc catgccttgc gaactccttg 180
 gagtaccctc gcgttgtggt cactgaaacc ccgtgcgatg aaaggcgtga tgctttcgtc 240
 taatggcgct cctctcatgg ggtagccaag ctgtcttatg gcagaacggg attataatca 300
 tacaaccctt tgttcccatc aagggaacat ttggacatcc ttcgcatgaa gatagaatct 360
 tgattcttcc tttcttctag cgagggaacc aattaacaga cgccccccca tgctagccaa 420
 gagttgg 427

<210> 31947
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31947

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 agcactaata aattcttgat cactacctag aaagcctttt gcaaaacatg tttccctaaa 120

tgtaagatat accaccccat tgactattct aatgtcattg taagactgtg cacctttggc 180
 agtagatagc atcattctaa ggtaaaatag tctacctgct gaaggcgga cccatatgag 240
 tcttcctatt gtattccctt attttcttgg atgctagnac ttcccgcgga cgaataaaca 300
 aatcttgaga tatattgatg atatgtaaga tcccgccat aagaatatat ttcgtagaa 360
 tgcattccacg ctgtgaacat ggattatttg a 391

<210> 31948
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 31948
 tctaacttaa tattcgtatt ggagtatatg tatgagatga aatctcacat cgaataaaaa 60
 taaaagaagt agctatccta taatggagaa taaaattgct aaatctagat tttaacgctt 120
 tgggttaaag tatgatgtca cattcataga gtgaatggtt taaccgccac ctatagacat 180
 gtggatcttt ggtattgaaa gactttccga ttagtgagct cattcaaac tgtatgatga 240
 agttctatgg aggactattg gatattca 268

<210> 31949
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 31949
 agcttaacta tttatggatt ttcccaccca tccattctat agtccatttc accattagcc 60
 tccaccaaca acctccaaca ctaggttgaa gaccttctta gcacccccaa cttacgtgcc 120
 tactcacatg caacaccatt cattaatgca tgtatgctat gatcattcaa ataaaaatca 180
 ttgtatcaca ctattaacat attcattcac catcatcaat ataattcatt tcatcaacag 240
 ctcaatccat tatatattaa ttcaattcat catacatatc gccattcaac atacaattta 300
 gcattcatat gttgttcaat tccacatcaa ttcattcttc atatcattct caccatccat 360
 gaactctcaa atagttcatc tacacctcat ga 392

<210> 31950
 <211> 376

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31950

tcttatncaa ggctcatctt ggtggtgaag ctctttcttc tatggcttat tccttaatgg 60
atggcgcttc ctctcacctc ctttcctttg ttttcgctg catctccatg gtggaaaacc 120
accattaaag gaccccatg aagctcaaag atccagctc catagaagcc ccacaagcaa 180
gcttccatca actactacct gcgctaagtg cacttocaat gactttaaaa caaatgatg 240
ttggagttta gcacatcctt tnttgtaac ccccttgaa agctccgtta cagaatgaat 300
ctggggctta gcgtaggatg gcacacttag cgcagctatc ataaattttc acagagagga 360
agtggcgctt agcgca 376

<210> 31951
<211> 383
<212> DNA
<213> Glycine max

<400> 31951

tagctttact cttatttatg tcctcgaaaa gccgcttaa tcaccgaaca aagcatgtcc 60
tttttcaaag ccaacgattt tttttattga catcactaca attaggtaat agtaataaag 120
acttgtattc tcactccaca aaattgtcac aaatttgaca tatataaggc acattcctag 180
caaaattcaa aaaatagcgc tggttttacag aaatagcact ctagctaaag aaaggaattg 240
aaacttgaat atcaggtttt gattatcttt ttgacccccg atcgctatct atagaaagcc 300
aaaatgtatt tatgttggtta ttcattttcc aaaatgaaaa aaatctatta atctagatgt 360
agttattaat tttccatact atg 383

<210> 31952
<211> 204
<212> DNA
<213> Glycine max

<400> 31952

ttgcaaactg aattacactt ggacccttat agacttatca attaatatga gagctatgg 60
gcgcggttgg gtttataaga ttaactatat tggcgatggc tacgctgaat gatatcacgc 120

tggacttgta atgatggtgt atgctataac ggtaagatat gccaatattg catgattact 180
gccagatgtg agactaacgt gcat 204

<210> 31953
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31953

agctttgatg atatggtctt caccgacaaa aggatcaaag tgggtctaaa aagaggcaaa 60
tctgatcatc atgctttgat caatgccaaa aaaaaaaaaa caagggcaaa tgaagagggt 120
gagaatgagg gataagccca tgctgtgact gccattccta tacagccaag tttcccacca 180
acccaacaat gtcattactc agccaataac aaacctttctc cttaccacc accagatat 240
ccacaacggc cattcctaaa tcaaccacaa agtcgtctac cgcactccaa tgacgaacac 300
canctttaga acaaaccaaa acaccaacca agaaatgaat tatgcagcaa aatagcctgt 360
agaattcacc ccaatt 376

<210> 31954
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31954

tcaagaataa tggacttagc acactttctta tttctataag gaaattcaat caatagacct 60
ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgag 120
gcaatacact taaatatttg gcaagtcata aaaatagggc cttatatacc caccacagtt 180
gaaagaacca caatatatgg aagcacaaca agtggaagca caacaataga aaaacctaca 240
gatagatggt ctgaagagga taaaagacga gccactataa tttaaaagcc aaaacataat 300
tacatttgac ctgngaattg atgaatatatt caaggtttca aattataaga gtgctaagga 360
aacgtgggac actctacatg taacacatga aggcacaaca gatg 404

<210> 31955
<211> 269
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31955

agcttgtagc aatgtaanaa acatattctt cgaccttggt aatccttgac tccatctcat 60
tgaatcgcat gtccacttgt aactccaagg tattaaacct ttcagcaaca aaggtttgaa 120
gaccatcaaa cctgtccaaa atcttttgaa caaaaaagga atcttctcca ccatgttagt 180
gtccttcttc atcgatgggt tgagcatcct ttttcacca agagccatca tgctctttac 240
gggtaccaaa ggatgcaatt actgcagta 269

<210> 31956

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31956

tgcttacgat ggatgtatct tcaccgtaca catatatatt atatcctgct gagagtgtat 60
gtaattccga tagaataaat ggccaatcat catttttagct tctacagtat gcaaattggt 120
gatgatttaa ttcttaataa aaagaacact ctgatttata ttctccccgt ataaacacca 180
taaccattac atcttatcta taagccaatg ataagattcc ttcttaaacc tttatcactt 240
agtgttcaat tgatttttat gaaaccatc tcctaattgac ccnnttatga atattatgat 300
gtaatgacca atgatccca 319

<210> 31957

<211> 356

<212> DNA

<213> Glycine max

<400> 31957

tctagcttgg aggtaatttc ttgaaagaaa cattgtaatc tcagttgctc tttcaatctc 60
taactcaaaa atatcattct cttctcccaa acatgactca tgtgtgcata gattcattgg 120
atagatacac gtgtgctaca gctccttgctc tttgcaattt cgaaatctac ttcaaggtag 180
gggggttctt ttctttctca tgttttattgc gtgacgatgg agctcacacc catgttgagg 240
gtcataaata attgatttac ggttttagaa aacgccccgc taagtctca ctgtataaat 300

gatgatacaa gttgcttgat atttggttag cgaatgtctc atgaatctcc tattga 356

<210> 31958
<211> 234
<212> DNA
<213> Glycine max

<400> 31958

gtcttagaac tgaggataaa tcaataactg gcctgtacgc tcattgctcg cgagtatgat 60
attcactacc taagggttgt agtacatgat agctcccacc ctattacgca tgcaggcgga 120
gtatcacgag caggaaactt gaatggctgc cattgccaat gctgaccgta ttctgcgctt 180
cactatacgt gtgcacacat tattgcatat tgcggctatg cgatcatgaa ctac 234

<210> 31959
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31959

aagagaggta tataacttga aatctgtgaa aattctgac ctatctggcc gctcaaaaat 60
tgacaagttg gaagaagata tagtgcacat ggaatccttg acaactctaa ttgctgacaa 120
tactgatgtg aaacaagtgc ccttttcaat agtaagctcc aaaagccttg gatatatatc 180
cctttgtgga tttgaaggat tatctcgtaa cgttattcct tctatcattc ggtcttggat 240
gtcacaacaa tgaatccggt atccccattg gtcattccct gcacattatn atnttttagat 300
tccatggata tacataat 318

<210> 31960
<211> 361
<212> DNA
<213> Glycine max

<400> 31960

agctttttaag tgataggatg tgactcttca cctttgaatt tgaatttcaa cggtcaaggg 60
cactggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa ataattggaa 120
cggtgtaaat tcagtttgaa aactttttca aactcatttt gctactagta atcgattaca 180
ccaatatggc aattgattac cacagagtaa aaactttttg gtaaagggtt tgtcaaaaac 240

tcatgtgcta ttcaaagatt tgaaaaaact ttttaatccc atcttgattg atcttttctt 300
cattgttgaa tcttgagtct tgaatctaga tcttgattct tgagatcttg aatcttgaat 360
c 361

<210> 31961
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31961

tgcttctata gagaagattc atccttggat ctaaagctat cttatcatca gaagaaacat 60
taccacaata aggaatttaa cattgaaagc atcagaacta tgaatatgac tcgattttgc 120
tagcaataag ctagtgtgat taatgagtgg gtaaagtatc tttactcata atagctcaga 180
caaaatcgtc aacaacaaag tccactgatt ggcgcttctg gtaagcttgt aactcgtaat 240
ttttagttga aattgtcaat tctacacatg caatccacat ctctcaacac actcttggat 300
gagccttnca aggattgtgt tgccttatct aacttttctt ncttttccag tgataaggta 360
aagctaaaaa attgagtctc ccaatgtttg atataagttc tgtaagacca tctttaat 418

<210> 31962
<211> 385
<212> DNA
<213> Glycine max
<400> 31962

agcttggttt atggtactta cccgttgaag atcgaagaac gatgaataac gaatgacgaa 60
cgtcgaagaa cgggtgaaac ctttgcgaaa ttcttcacgg aaaacgttat ggaaacgttt 120
ctgaagcgcc tcggcttaga ttttcttcac ggaaacaatt tttccaagct aattcgaaag 180
agagagaagt gcctaagggg ctgaaccatt ttcttcttca cttcctcccc tatttatagc 240
acaatagggg agatgcttgc cgcccagctt gccagggccg ccacgttgct cctccagata 300
caacagtctt ctggaggaat cttctggagg gcccaagtgg gcttggttgc tatttgcacc 360
cccatttcta ctaagtacac ccccc 385

<210> 31963

<211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31963

tntagccaaa tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
 cctttccttg ttttgaagct cactacaagc ctcaagtga aaaccatgat atcaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg ggtttttgtt 180
 tcattggata acttgttctg ttggctatac ttcattgatg attttggggc atacttgatg 240
 tacattgtat attgggttaa tggtggacat gctactgcaa cggtgtttct ccaggatata 300
 gagtaaaaaa aatgaaaaaa aaagcaataa agttgagtga ataagatctt aaatggcaca 360
 agaatgatga gactccttggc tctactctct atgcttaaat tttatcttct tttta 415

<210> 31964
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31964

agcttacaac atatcaatct ctcccttttc actaatgaat tattcaatat aaatggttct 60
 ataggctagc taactcaa atcacacattc ttgggacact aacttgtcta tagttgaggg 120
 tgcattgttc ctatggccat agtggcatat tctaccttag gaaaatgtaa agtgcacttg 180
 ttgatcatta gctaaatct cttgatgaaa tctaatacaa gctcatcaac caactacttg 240
 agattcatta tatctactat tgcaaccttt gactgttgct atacaaaaga tcatggaaca 300
 cttttncata tttgctta atttaataaa atttggtgga agggaagaat accaagtga 360
 attgtgttcc tgtaaggat aataagaac 389

<210> 31965
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 31965

tctttctctc catcgcgctc aagaccgtga caactctctt tttcttctcc atcgccacct 60

tacctaggta cgtttcgtct aagctctatt gttctattga atacctaggt ctgtttgggg 120
aactcgtggg taaccaagg acctttgttt gttcttgcta caaggattgg ggaactcttg 180
gtgacctgag gtacgtttcg tgcgtgggc actggtgctt acagggcttc attttgattg 240
aggaaagtcg tgctcacttt gcagttcttt gaatgctccc tgtctgttgt aaaactgggt 300
agcgtagtgt agtgtagtgt agcattgttc atttggattg aacaattctg gtcttttttt 360
tatgtttttt cctcctatgc attgatgtca tgtatccatt gaaagaggca atact 415

<210> 31966
<211> 253
<212> DNA
<213> Glycine max

<400> 31966

tagcttgctg ctggagctgt cccattaact gtcctaactt ttttagactg gtgatcccta 60
tgctcttgac cttgactaga tagaacctct tttaaacgaa ggcatttgac ttgatctcat 120
ggtttactaa agtgaaacaa aatctcgcg cgaatcaaac tctgacatct attatgggtg 180
caatggatga atgcatgaac aaatgcatat aacacagatg caatttatga atactggagc 240
ccgggaaatt gtc 253

<210> 31967
<211> 184
<212> DNA
<213> Glycine max

<400> 31967

gtttgttcgt agcggacgta cggatgactt tcggatcaag ttgatctgta aaaagcttac 60
ggatcaactt gatccggaag gatgttacag atcaagttga tccgtaagat acggatttga 120
tccgtaacat ttttccggat caagttgac cgcaagctcc ggatccactt gatccgtag 180
tgta 184

<210> 31968
<211> 378
<212> DNA
<213> Glycine max

<400> 31968

ttagcacgaa ccgaagcacc aacaaaaagg gaattttgca gcacaaaacc ttaggggtctg 360
ctcacatatc tactcgataa ttca 384

<210> 31971
<211> 420
<212> DNA
<213> Glycine max

<400> 31971

tcaatggagc tacatcggta ttgtagggca cctagactag tttttgtact agaggtagtt 60
ttgtaatttc acatgcatta agtgaatatt tgatgtgtgt gttcgaaaat aaatttaatt 120
gaattgggag aagcccaatc caattaaatt ttagaggggg aggtgagcat ttgcttgcta 180
caccctattg ccacatcata ttgtcacact ttgtgcatgt ccttcatgct ttacatgcct 240
catgaccctt aagtacactt actggagaat ctgcacttg atcttgga gtgggctgaa 300
ccatagctaa aattctctaa tcataattaa tgaaaatgtg gtcacacata ttcacaccca 360
aattcaagtg aaatctgaat agaaattcaa atctacctcc cattttgtga gacacttacg 420

<210> 31972
<211> 374
<212> DNA
<213> Glycine max

<400> 31972

agcttgttgt ccgtgtacac gggtccggta atgggtggcat tgacggcacc ggtgggtcatg 60
ctcacttggc tgccaccata agtgggtgaca ttaagttgca gccttttaga gtcacaccg 120
gcttgggtct gaacgggggtt ggtgagagtg tcgaagttgg agattgagag gaaggaagaa 180
agagtgtgaa attgtaaaag ttcaaccttt tgctgtcgt tgagtgtgtt gaggaatcct 240
gcttttagct ttgagaaggc agaatcaggt ggcacaaaat ggtcatcccc cagaacctga 300
cgtgaggagt tgagagttga gttgggtgat caactgggtc gtcttcagaa gccgaatcag 360
aacagaaaat ctct 374

<210> 31973
<211> 256
<212> DNA
<213> Glycine max

<400> 31973

tatgttttta aaaaaaaaaac ctatttactt aaataggtca aaccacacgc cttaagaaaa 60
 acatattaag cttaacggtc gcctcactta gcaataatat ttataataa aaatattatt 120
 attaatataa tatctaataa aattattttt ttaaacttac aaaattattt tagtagttca 180
 acaatttgaa tcattttaat taatgggttaa catatgttaa ttcataataag catagatgag 240
 tatcaggaat atgaac 256

<210> 31974

<211> 376

<212> DNA

<213> Glycine max

<400> 31974

agcttgtaaa agagttgatc gtgttgagat aatccaattt tgaccagaca gaacctttta 60
 aggataggtg tcctgaaatt gcatctttta ttcggtataa gagttgagca actactatgc 120
 cacgtgacta aggttgtaaa tacggggccgg tccggctcgc ttttggcccg ctataaacgg 180
 gccagtttag cccgtcctgc taagcaaaac agcctacctt tcttagtctg gccattttca 240
 agttggccca cgggcccacc atcaattctc tattttttt ttcagattat gtattggatt 300
 ttatcgctgt tggtaatatc aactttgaat ctaactcttg tctttttata attttttata 360
 actaaaaata ataata 376

<210> 31975

<211> 391

<212> DNA

<213> Glycine max

<400> 31975

tgagaatgat gaatcaaatt atcattattt tgtaattttt tttgtatggc gatgaatcaa 60
 actataaatt cttaaaggca catacttcac tccttttaat caattcaggt aaaacaagga 120
 tagtttgatt aattatacaa aaaaaaatac aatatgatac acagttacat atcatgattt 180
 ccacgcggtt ggccaactat tctgcttggt tattcataaa aagtataata tcgaaatgat 240
 taagggggtt cttagactac ctcatacaaa accaatacga tcttgaaacc tatgattctc 300
 acaaacaata gataaacaga taataatgta tatctttctc catacgaaga tttctctcca 360

atgcatcttg attctcttga aagaggagag a

391

<210> 31976
<211> 388
<212> DNA
<213> Glycine max

<400> 31976

agcttggttac agaacttagg aaaaatcaag aacaagcttg ttgcacatc gttegcgtgt 60
atgatattca ctgcacaagg tttgaagtag aggagacctt caatcctata acgcaacgtg 120
gcggaacaaa atgggcagtt aacttgaatg gccattactg tcaatgcgga aggtattctg 180
cgcttcacta tccatgttca cacattattg cagcttgtgg ttacgtgagc atgaactact 240
accaatatat agatgttggt tacaccaatg agcacatctt accgcatact ccgccagtgg 300
tggcctcttg ggaatgaagc ggcaattcct ccttctgatg aggcattggac actaatccct 360
gaccaacta caattcgtgc gaaaggtc 388

<210> 31977
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31977

tagctntatt ccttacaacc actaccatcc aaatgggtgg aaataagaaa tgttgggctt 60
acgtcctttc cacaattcat aagaattcct ttttaagattg gcctaataata aattttattt 120
tgtaaataat agacaatggt tattgggttca gcccataagt gtttaagggt tgagtgatca 180
ctaagcatgg tcctagccat ttctgaaga aatatacttt tcatttacct ctaaacadat 240
tctaatttgg tgttcttggg gtggaaaatt gtggtcatac cattctcttc acgaatattt 300
caaaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga tacatgataa 360
tgactattga attactcaa aacaaataaa actaggaaat tntgcaatac aggatta 417

<210> 31978
<211> 381
<212> DNA
<213> Glycine max

<400> 31978
 agcttggttac agaacttagg aaaaatcaag aacaagcttg ttcgcacatc gttcgcgtgt 60
 atgatattca ctogacaagg tttgaagtag aggagacctt caatcctata acgcaacgtg 120
 gcggacaaaa atgggcagtt aacttgaatg gccattactg tcaatgcgga aggtattctg 180
 cgcttacta tccatgttca cacattattg cagcttgtgg ttacgtgagc atgaactact 240
 accaatatat agatgttgtt tacaccaatg agcacatatt aacgcatact ccgccagtgg 300
 tggcctcttg ggaatgaagc ggcaattcct ccttctgatg aggcattggac actaatccct 360
 gaccaacta caattcgtgc g 381

<210> 31979
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31979

tagctttatt ccttacaacc actaccatcc aaatgggtgg aaataagaaa tgttgggctt 60
 acgtcctttc cacaattcat aagaattcct ttttaagattg gcctaataata aattttattt 120
 tgtaaataat agacaatggt tatttggttca gcccataagt gtttaagggt tgagtgatca 180
 ctaagcatgg tcctagccat ttctgaaga aatatacttt tcatttacct ctaaacadat 240
 tctaatttgg tgttcttggg gtggaaaatt gtggcaatac cattctcttc acaaataatt 300
 canaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga tacatgataa 360
 tgactattga attactccaa aacaaataaa actaggaaat tttgcaatac a 411

<210> 31980
 <211> 204
 <212> DNA
 <213> Glycine max

<400> 31980
 agcttttata taacgctcag cagcagtcac ctattgatgc tcttcgtgac ttgggtgatg 60
 aacttccatg acttccccac tgactgctgg tttcttgaca tacgtactcc gtgcaatata 120
 ttcatactct ctatgcactg attgccacga gaactgcctt tacactatgg aattttccgg 180
 gtgaagtctg gcaattcact atgc 204

<210> 31981
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 31981

tagcttgagt aaatattcag atcctgtccg accttcttta acatctctat ctttctcttc 60
 ctttctctatg gttgtgtttt ttatctttca acttatctat ctcttttcta ttctatgccc 120
 tctcctctct ctggtcttct tgctggagag gcacgatggc aggagataat ccacacacct 180
 caagaaatag gtggaaccat ggaaatgttg taactgttgc tacaacttaa cgagagagat 240
 ataatctaata tacatgcaag tcttttttat cttgcgcgcg ccaccaacgt cccatcgtag 300
 agaggaaatg atgtatgtca atctactact tgagtgcac atcagtccat cactacgcat 360
 tttccagact aaactatggt tttttaacat ataa 394

<210> 31982
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 31982

agcttctatc caaatggact taccttgaat taattccttt gatagcccct ttgagcctat 60
 gttccctttt ctttgttttg aagctcatta caagccttaa gtgaaaaacc atgatatcac 120
 cttaccctta aggaattttg gagcttttga attgttttgg gaataagttg ggaataagtg 180
 tgggggggta tgtttcattg gaagatataa tttttggcca tgcttaatgt tttatttttg 240
 ccatgcttga tgtatctgta tattgcctag ttcttcttta ttctgccatt catactgttc 300
 aaaaaaaaaa aaaaaagaag aagaaaagaa gtgaagttga ataaatgagg tcttgttatg 360
 aggacttgat ttgggagcct cga 383

<210> 31983
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 31983

tttcaacaag tgttgtccat actatttgaa tacaagctca agtttcaagg agaaaagtcc 60

aagggttgatga gttgtatcat ggcccaaatg gaggaggact aaatgacacc actttgtctc 120
aatttttagag tgtttaattt gtttaaataa tggcccaatc cttgtaaagt tggatgacca 180
aaaatatggtt ttgggttaat caactaaaag ggcttttagtt tggtttagtt caagttgtaa 240
taagggtccca attgggaacc taggcatcaa cctttccgag accaaatggt gctggcctga 300
tggttggttg ggggtgacttt tgggtgccac aatttcagtt acactcagcc attaatgtct 360
tttaattccc taggttagtg gcattaagtt cttttaattc caggtttagtg gatcattact 420

<210> 31984
<211> 388
<212> DNA
<213> Glycine max

<400> 31984

agcttttagga tcaaactttt ttttctctct ttttctctca attgttcttc attcttcttc 60
cttttttcac atttgttctt cctttttctt gcacaaattt tgtggctttt cactggtga 120
tgatcatgga aggctaaata ctcaatcaat ccaagtaagg ctaaatcgga gttatggctt 180
agtattcata atatgtgtga atattcatct tttcttcaat cctatttttcg gttttcatga 240
ttatgaatat gcttgggatt gaaacaaaat taggttagcg attcctttcc tatttcaaac 300
ttaataacag attgtttgga tgatattcca acctaacttg tgatctcaat gaatctacgg 360
attaattcga ttgaactaac tcaaatga 388

<210> 31985
<211> 426
<212> DNA
<213> Glycine max

<400> 31985

taggaaaaga taagttgcat attgtaagat actggacatg tcatggcgtg agatcatatc 60
cttcgtccat ggaaaaagag agaataaaaa aagagtttga gttggtagcc atatttcaca 120
gctgggtgtaa accttttagt aaaagacaac acaaaaatag aaagaagaaa aaaaatatta 180
ccttattact ttgacacttt tttactttat tctcaaaact tagcaaaagc tttcactcac 240
atcacaatcc tattaccata gaggtcacc tggcaatggc tcaactttca ataattcatt 300
tccttgatcat tgatgtttct cattaaaacg agttaacaac acaagactcg agcaacatgc 360

tactttttct tcggtaaagt tgtgacatgg gcatagcata agattaattt aaagataata 420
cccaaa 426

<210> 31986
<211> 374
<212> DNA
<213> Glycine max

<400> 31986

tagcttcaac attcaatttt gagcgtctcg atatataacg agactcaatc agacatccga 60
gtaaaaagtt attgtcgttt taattggctc agagggtcaa cattaaattt cgagcgtctc 120
gctatattac gggactcaat cagacatccg agtaaaaagt tattgtcagg tgaattggct 180
cagagcttca acattcaatt ttgagcgtct cgatatatga cgagactcaa tcagacatcc 240
gagtaaaaag ttattgtccg tcgcattggc tcagaggctc accttcaatt tcagcgtctc 300
gatatgttac gagactcaat cagacatcct agtaagaagc tattgctcgt tgaatttgct 360
cagagattca acat 374

<210> 31987
<211> 127
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31987

ntgagccaac actaacgacc ataactgttt actcggatat atgatggagt tccgtactat 60
atcgacacgc tagaaattga atgtagaacc tgtgcgcaa ttccaacgac catcacgtta 120
tacacgg 127

<210> 31988
<211> 381
<212> DNA
<213> Glycine max

<400> 31988

tagcttgtgt tttctcgtgc tatgcctaata atgtatatgt atgctgtttt gggttggttc 60
agggtcggat cttgcttcgg tgccagacga gcaagttttg aacggggcatc aatctgaagc 120

ggatgagtgt gagaatcaag atgaagaggc tgatgcaatg gttgaagaac cccattctgg 180
tatttgaatt gagtgccttg aaaatcttgt gcttagagcg tgttttgttt ttattttcaa 240
aaactatttt tagttttcaa aatgtaatta aataacgact ctacactgtt gtggagggtg 300
gtgcaaggca gagagtatag tgtggaattg atggagagct tgaagaagat gagacaacat 360
ctcctaacag ttttcgtttt t 381

<210> 31989
<211> 406
<212> DNA
<213> Glycine max

<400> 31989

tattaaaaat cacgtatttt tataagttgc atttcatatt aatgaacttt ttcaataata 60
tttgtaattt taattaattt taaagattgc attagaaaaa aagtgtttta gaaaaactat 120
tataccattt taattaatca tgacttttgt gtaagatatt taatgatttt attgactact 180
aatttttgac gaatgatttg attgagtttt tcaaccagat cttttttttt tttcgatttt 240
gagatcttga ttcaggatta aatttaaccc tacttaaaact aattcgtaat aaaaataaaa 300
aatgagtagt tttttttttt tgttttaatt ctctttaga gaaaataaaa catgactatt 360
gaattgcttt aatacagtga taagaagtgc ctcaactata aatgga 406

<210> 31990
<211> 378
<212> DNA
<213> Glycine max

<400> 31990

agcttgagct cactgttgct gcccataaa gctccacgaa atttgtcacg gccatgctct 60
tccttgcaag ccctcttggt ttcttgttca agggtctttg cggtagctgc attttcttct 120
cgtaaccoga cacacttttt ccggacgtct gtagcgacca acttgaattt ttctttggca 180
agtcttgctt ttcttagttt tgtttttaga gctcggactt cttcatcctc ttccggagct 240
tcgaagcttt cttcgtcgat aatcttttagc ttgagagaca atctaccctc gtgtacaaac 300
tttcagccat tcatgataac caccgatgat gccattacga atgccctaa gttctttatc 360
tttccttaac gggctttc 378

<210> 31991
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 31991

ttctaccttg tgcttgaggg ctacacattg ctcgatagag tgccccgtaa caccaccatg 60
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 cgggatcacc acaaccattt gggtgttgag aaaagatggg agaaggtcag cataaggcat 180
 cgggtatcggg gtgaacttcg taggttttct ttccgagaag ttcttccttg gggtttgtatt 240
 tgtgtttgggg ttgggatttc tagttggcga cgctgtgcag gaacggattt tttggggagg 300
 cctttgtggg tgagtgggca ttctttgttg gatgggtgcc ggactggaag gagatccgac 360
 attggctgag tagttgtact gggccgcggg atattggtaa atgggg 406

<210> 31992
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 31992

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 actgagagag gcgggatcac gaaattgaac gaatataaga ggtatataag tggaactttg 120
 aagtatgtct cacactactg tcattcatca gagttacaac aagtgtacg aatgcttcta 180
 ttatagagta cgcaggcttg ctgagaagct atcttgagat aacttccttg agaagcgttt 240
 ttgagaaaac ttccttg 257

<210> 31993
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 31993

gtgttgttca tactatttga ataccggttc ttgtcttttc gacaaatgtc caacgttgtg 60
 acctgcatca tggcccaa atggaggaggac taaatgacac cactttgtct caattttaga 120
 gcgtttaatt tgcttaaata atggcccaac ccttgcaaag ttggatgacc aaaaatatgt 180

tatgggctaa tcaactcaaa gggcttttagt cgggtttact tcaagttgtc ataacgtccc 240
aattggcaac ctatgcatca accttttccc caccaaattg tggctgcttg atggatgttg 300
ggggtgactt t 311

<210> 31994
<211> 270
<212> DNA
<213> Glycine max

<400> 31994

agcttaatga tgtatgtcat acccctaata tttttctttt tacagccagt atcatgaatt 60
gaaaatgtat tttgtggaat gcaccagatt gataaaagct ccaccaaaat gcatagagcg 120
tatttagaat attttttatt tctattttatc acatttagga aagaaaatac aatatgctcc 180
tcatcaagga gttacttaca acctacatta ttttaagatc aatctgactt gacttaacct 240
attcagtga gaattcatat tctattaata 270

<210> 31995
<211> 373
<212> DNA
<213> Glycine max

<400> 31995

tgactttaaa gaaaggagtg gaagcactat tagaaatata agttttctacg acacctattc 60
tacgatgggt ctgagtgaac cgccttagaa aatgagcctg tggcatagtt cgtattattg 120
taatgaaaaa atgcctttta caacacacat tctaagacga ttattgaaaa ccgcattata 180
acgttatggc taacaacatt taaaacatgt cctaatacaa atccatcgta attccgctga 240
aaaaaaatat aaccctagct agcctgttgg cgctcctccg ctcacctccc gctctagcac 300
tataacatga gattgatata gaggcaata cacttggcca attgcgtttt aaaaatttat 360
taccctgatt aca 373

<210> 31996
<211> 382
<212> DNA
<213> Glycine max

<400> 31996

agctttcattc tagccaagat tatacaaaag tggtacaaga gaacttaacg gttttctaatt 60
 atatggggcca tcaaattctat catgtgttga cagtaattga ttagcccatg aatctccttg 120
 ggggctgtac acactttggc aatggctttc gctttggcta atagtcgcgg gagatcttga 180
 cttccattca aggtcaaggc gaacctatcc atccacatag tcgcttcttg atgcaatgcg 240
 tcaatcacc cccctcttgc ttctttttcg gctacactcg tgcaaatcct ccactagctt 300
 ttgttcacgg gtcacagact ggttcaactc ttccttgtat ggacctatga tagttagcat 360
 gctctgctcc gtgggttcca ag 382

<210> 31997
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 31997

tggaaggtag tcatacctca caaaatatat gtatgtgtgt ttacgccaga aaaatacctt 60
 ggatatgcat gtatgtaatc gacgtagcaa aaaaatacct cacaaaatat acatatgtat 120
 gtttaagtag caagacacct tggatatgca tgtatatagc aacaatatat atgtgtatgc 180
 ttaggtagca cgacaccttg gatatgcacg tatatagcaa aaatagctca cacaaatata 240
 cacatgtcga ggtagtaaaa cccatcatgac ctaaccccc ataacacca aaaatta 297

<210> 31998
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 31998

agcttggaga agatgcttca atggaggaaa agaaagagg agagaaagag agagggggga 60
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 actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtag 180
 cttccttgag aagctttctt gagaaaactt ccttgagaag cttctttgag aaaacttctt 240
 tgagaagcta gagcttagct acacacaccc ctctcataac taactcacct ccttgagaag 300
 cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tctaatagct 360
 aagctcacct ccttgagatg 380

<210> 31999
<211> 404
<212> DNA
<213> Glycine max

<400> 31999

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acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
aagcaaggag gcttgtggtg cgtggccacc tgtgaatccg tgtaatatgt ggattgtggc 300
ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttacaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgattac cacggcgtgt aatc 404

<210> 32000
<211> 380
<212> DNA
<213> Glycine max

<400> 32000

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tgacaaccag atgtgtcaca ccctgagggtg tgacaattca catgggtgta acaagcacca 120
aaaaacctaa attgacaaac aaaatgcacc atggctaagg tgtgtgaatt tccaccaccg 180
ggaaacgcat tagacgacaa catgcgtatg tataatgttt ttaggatatc ttaaattgta 240
gaaatcgaaa cgacacgaga caaatgtcta atttcaagaa taccgcgtcca caacttcgtg 300
aagatgagtt aagaatttca tgtcctaaca gtgattctgg tcacacaagt tacgcacatt 360
gtaataccct gtttcatggt 380

<210> 32001
<211> 272
<212> DNA
<213> Glycine max

<400> 32001

ctcaagcttg gcagctgata ttgcttttct gcaatcagcc gtcgacatgt ctttttaacc 60

cgagaccagc aactcaggct tgatgggtggc tgacccgccc atggaacgac tatgctggag 120
tctaactctg ggccttataa taagtggaaa aacgacattc tctgaagaat aaatgggtgc 180
ccctgacccc ggcgttgaag ccgatgcttc cacagcatta aactgctcgt ccatttcaaa 240
ggcggatgtc gtcgacgatg aattgaactt at 272

<210> 32002
<211> 389
<212> DNA
<213> Glycine max

<400> 32002

agcttgaaca cttctattta cgtaaagtga gcattcctta cttctcacgt tatatttcag 60
aagacctgtg ccgtaagtta tgcgattcca cagataaaac atcaatagtc atatttttaa 120
ttacagccac cctatcaata ttcattgagtc atcacatgaa ttattgagct agctagaaca 180
aattcctcaa aaaagaaatc tgctatcatt tgctttagaa tcacatttga tcaccacttg 240
ataatcattc cttaaaataa gaatattcaa catctggttc cctcgcccat caaatatgcc 300
aactcaatc taaacacttc acgcctaaaa tacatacccc ctcataatcc catccatata 360
taaagttaa ccatgctatg cctatgggg 389

<210> 32003
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32003

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ctgtcagcct acgaattgag tagaggatca gagatcgagg ttggttggat gtgctataaa 120
atgtgcccta acataaggac tgggtaaatg agtttaagag ttaatttaat atgcaagttt 180
gacaaccatg catatgtata tcattaagaa ttacatatta agtaattttc tagaaattta 240
ggtaaagaag atggtgcctt aatacaagac aagaacgcct tttagctca aaacatgaat 300
cagagcttaa accttgactt gtgaagtgc aaatctagtt ttgctctcct cgatcaactt 360
ttgagagtta tattaagtat ttgctagcat tattaattnt ttaactctat atttatgag 419

<210> 32004
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 32004

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agcttattat ataaggtaag atttgatacc cacatagtta ctacactaca ctatcttttt 60
gccagatgta ccttctagct gcttttattt ttaagggagt ctaataaagc ctaaaacatg 120
ggactatgat atcaattatc cttatcaaat gtccatttgt gtcagccaca ttagtaagag 180
tttgggtgca aacaacactg tatectttcc gccatattat cctttattct tcttcagtgc 240
tgactattgt ttgggggctt aaattgtgga gagcttcccc gctaaaactt ttaatgattt 300
tttttttcct tctaaattgg ccaccaaga taatgaggta tctgttctgg cactgcttt 360
ctacggataa atgatttgga acgtg 385
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<210> 32005
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32005

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tgagcataca tgaaaataaa taaataaata tgatagatga aagttaagac aggttgatga 60
ggcaggagac aacaatgttt agaaagagat atgagaaaga cattgtgata ggtattaatt 120
atcaatggga tctgcaaata agagaaggaa acagagagaa gggtgagagc acaaatgaaa 180
tgagagcaaa tgctctacca agctagagag aggttctttg agctccaagt tctattgcaa 240
atccatcata tcaccacaac ccaaacccca attccaacta atagaatcac tcctcatttc 300
tctctcctct aactaacttc cactaccctt ccacaaaaca gacacaaagc atcaggcctt 360
atgtgggttg ggccttcaag aatacatctt gaagggccta tcccactntg tgactaattt 420
ccta 424
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<210> 32006
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 32006

agcttgctat taaaaccaat cttgtgtatc tatcaaaact cgtttgaact ggagttgggtt 60
tctcctttta ctgagggttaa ctagaatacc atggtcgcgg gtgtgaaagg aaaagtgggtg 120
ctaaaaaata ttcattggga ttattattct ataaattaat aagactgtgt ttggcaatga 180
catgacttga tttattcaat ttatgattta taaatcagac aggaaaatgg agcaatgaat 240
tacttatcca gaatgttgaa gcacctcaag tacaatgtca tgcccagatt tacactaatg 300
tttaatcttg atatttaagt gtaatgggaa aatcacccat tttcactgaa ttatgtttag 360
ttctcatatt acaatgatta 380

<210> 32007
<211> 424
<212> DNA
<213> Glycine max

<400> 32007

tacatccgtg ggtgggaact gccaaatttg ctgtagaaca caatcaatca tatacgcttc 60
cttacaaaac aatctctctt gcaactcttc tcataagtaa ccaccttaa ataatgttcc 120
tagttttcta ttacaatcaa atctctgaca tatcttttca accttttata gaaattctaa 180
acatcttcca catatccacg agtacaataa gaaactatcc ataacaatat ttaatgaaat 240
ttcgctcagt taccatctct tcaactcttg cttctaaacg ctaacggatg aatcattgaa 300
gaggaaactat cagctaagtt agaattagaa ttctctgtat tctgccatt gcttttgggtt 360
tcatttttta caggcttcta aaccataggt ttgggcttgg gaattctatt aatactacca 420
acct 424

<210> 32008
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32008

agcttcggaa gaaagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcctgtgt 60
agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggatgtcaat atggccaccg atgaagcctt ggaatgagaa accaagaagg cccgaaagga 180
agaacacgac caaagcaaag ttttgagggg ctttataggg aagcaatagt aagctcaagc 240

tccgaaaagg taaaaggaat catcacgggt caaaggccga tcttgaagga cagctaaagg 300
 cttaccttan gtcgaaaaga aatttgtccc aacagttaag cgagactgaa gggaatatgt 360
 gggccgtcat cgatgagtgc aaaaagaag 389

<210> 32009
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32009

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 aacaattatg acctctccag caacaggtag aatcccgggt ggaggaatca tcccaacctt 120
 agatggtcga atccttcacg acagtagcaa caacaacctt attttcaaaa tgttgctggc 180
 ccaagcagac catacgtnc cccaccaatc cagctgcaac aacagcaaca gccccagaaa 240
 cagcaaacag ttgaggcccc ttgcgaacct tcaactgaag aacttccagg caaatgacta 300
 tgcaaaacat gcagtttcaa caagagacca gagcctccat tcagagctta accaatcaga 360
 tgggacaatt ggctacacag ttacatcaac aacagtccta caattctgac aga 413

<210> 32010
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 32010

agcttagtgt tgcaataatt taatataatt tactttatct tacttagtat ttcttaacta 60
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 tataaataaa acataacaga caaggaagaa cattttttcac gaaagaatga aaagaaacac 180
 ttatgtcatg ggatgatcaa cttaattacc ttaaattatg ttaatatattg aataacttac 240
 gaaaaattta tgaattatta taattttact acctcaaatt ttttttgtaa taaatttaat 300
 atgaatttaa tttgtctttc ttatcataag gttctgacat gtttggttga cttacagggt 360
 ctttcaacta aaggtgagtt t 381

<210> 32011

<211> 287
 <212> DNA
 <213> Glycine max

<400> 32011

ttagagctcg aatatgccct ataatgagtc tgattacaat tcgatgtgcg acagacttcg 60
 acgtagggat tgataatacc ctggagctgc ccatcttagt aggcttgaaa gagatcgctg 120
 ttagcacagc tgacgtgata gcgaatacgc tagcacggat cagacttgct atttgatgtg 180
 caagctgtat tgcgaatggc tcctgaagcg gaatttaatc cttacgtata tgtcccgcca 240
 atcacaccgc catggtgcat tctctatata acttgactg atgctgc 287

<210> 32012
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 32012

agctttggag atccaaataa gttgaagaaa cgcttccatc ttgtatgtat ttttttcaac 60
 ttcagttatg cattttctcta tatagctagc catcatcagt atgtcatcac caaacttcgt 120
 gcctcaaccc cacacaccgc tctttctctt gcaccccgat gccgccacct gcctccccat 180
 cctggtgctc ctctcgatc atcgtagcca ctctccgtg gtccagtaga ctgcgacgca 240
 tgacttggag gagcgccatg ctgattggct tactcaaagc cgcggtatgc gtttaaata 300
 catggaacac cgcatttgtg gtggtctcag cagtgatgct cgcttgcacc 350

<210> 32013
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32013

tgcttgtgga gcttctatgg aggctggatc tttgagcttt aatgaggtcc tttaatggtg 60
 attttccacc atggagatgc agcggaagac aaagaagaag aggtaagagg tggcgccatc 120
 cactacggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
 gcttggagag gatgcttcaa tggaggaaaa gaaagagggg gagaaagaga gagggggggag 240
 caggaattg aaggaagaaa aaggccacac gctgaacttt cgttgtgcct acaagactgt 300

tattgataga gtacaacaag tgtgcacatg cttctattta tagactacga gcttcttgaa 360
agcttcttga aaacttcttg aaagcttttt g 391

<210> 32014
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32014

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tcacacaagg ggtagcttac cctacgtagt agtaacagt gactaaaagt ccaaataatcg 120
aacccaaagg accagttgtg ttcccaaaca attatttctt gttaaactaag catgtatggt 180
taacttaaata gaaagataga tgtgggtcaat tgctcaatca tgtaaataag aattaacgat 240
tgagaacttg atgggaaaac agttataana agccctctac gattggactc cacactctct 300
ctaattttta ccaataactaa ctctaactaa tcccaaata atgccaatga ctaatatgcc 360
caaattcaat tattaatctt t 381

<210> 32015
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32015

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ctatagaata ctgaagcttg tgcggccatg gaatattctg tatgggacgg agcctattat 120
cacacatggt gcatgagttc gcgtgctatg acatgggtaca gatcaccctt caggagtctt 180
gtgcttatatt gcagtatttt tgagctagcg taaaacctga agcgtatgta gcaggcttgg 240
atgatagatt tottaaccag tttaagcggc aacaatacag tatctatgac cgttgaagca 300
atatataccc tgtaagggtg ctgaattgtg tggattcaca tggactaaca cttcttgcta 360
ctatagtcag tagatttttt tataatgctg gtgggtacaag caaggatatg attctacttc 420
aatggagcaa cagcagcatg aatcacatct cagccgagtt gccactaatg atgctactga 480
cn 482

<210> 32016
<211> 364
<212> DNA
<213> Glycine max

<400> 32016

agcttcccag ttatggaaag ctaaatactc tgttggatct tccttctagg tacttgatgt 60
aaatatcttt ttatctatct aatgatgttt tgtgtgttca ctatgctatc agaacttcat 120
tctaccatga ctttaccttg atcatgtaga tgcagtgtgc cttaggatca ttcaacagtg 180
gaaactagtt tgattcttat aacttgatac gacggggcta gtttggttga ttttcacgag 240
gaatcggggt acggcaacct agttgttcct atccgtctta tgccgccatg gctgagttta 300
gtccaacaag aggaatcggc ggacgatgct tgattatgat taggctacac tatcatgagg 360
aatc 364

<210> 32017
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32017

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aacaatgagg atatctcaat ccgctatgag tttgatgtaa atgtcagtac acaaggctat 120
cgtccattga tatacaggtc aatattctct ctctgttcat atatcgaaaa aggcaacaga 180
gaagaatcga tttgaatttg tcattcaaata aactatcgta tattgataac aatggcgatc 240
atcacatgag agtacctttn ttcccacttc accatggacc catctttaaa ctacttcatt 300
gtggacgatt ggagacaatg ctatacaaac tggcaagttg taaggcattc tcctaactgt 360
agttagactt 370

<210> 32018
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32018

agctttaagc tttagtcttc attttgttca tgttggtccc cctatctata acgcaatgca 60
tactgcaaca ctacacaccc actgcataaa gggatggcta aaaccaaggc agctattata 120
caaccatgac caagactaaa atataatgtc atctattaag tagtttgat cagttataac 180
attactcata cttgcatcat tcataatata agataatagc atcaatgtaa tcaacaagac 240
ataacaacgt cgtatccagc caaaagggtc atcagtgcat tcgcaaactt gccttgatgc 300
ttggccttac tttctcataa agaaacacca cgagattggt cttatactta cactntggct 360
tatctgagat taactgtgat aaagtggagt t 391

<210> 32019
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32019

tgaagganaa cttgatgcct tggccaacct agtaactcag cttgccatga atcagaaatc 60
tacacatggt gcaagagttt gtgttttatg ttcttctaca gatcaccata cagatctttg 120
tccttctttg cagcaatttg gagtcaatga gcaacctgaa gcttatgttg caaacattta 180
taatagactc cctcagcagc aaaaccagca acaacagaat aattatgacc tttcaagcaa 240
tacatacaat ccagggttga ggaatcatcc aaatcaagat ggacaagtcc tcacgacaac 300
aacagtctgt cccttctttn tagaatgctg ctgggtccaag caagccatat gttcctctc 360
caatgcagca acagcagcag cagtcacaac aaagccaaca agcaacta 408

<210> 32020
<211> 382
<212> DNA
<213> Glycine max
<400> 32020

agctttgagg gtgcgcagcc caccatcttt tcatagtaga gtaccgataa tgtgtctacc 60
atcacgatta tcgtctccct ttccattatt gggggtacca cctgcgccgc cagatccctc 120
caccttttgg gcgtgttctt tgaatgatcc gtcccccttt ttgcacatgt tctgtagttg 180
catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattag 240
gtccttccaa gaatggactc gggaagggtc caagttcggc accacgtaaa cctacccag 300

taagactttc ttggaaggaa tgtatcagca attcctcatc ttttgcgat tccccatct 360
tctgacaata catctttaga tg 382

<210> 32021
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32021

tggagaggat gcttcaatgt aagaaaagaa agagagagag aaagagagag gggggagcac 60
gaaattgaag gaggaaaatg gggagagaag ttgaactttg agttgtgtct cataagactc 120
tcatccatca aagttacaac aaatgttaca catgcttcta tttgtagcct aggtagcttc 180
cttgagaaac ttccttgaga agctttcttg agaaactttc ttgagaagct tccttcagaa 240
gctagagctt aactacacac acccctctaa taactaactc acctgcttga gaagctcctt 300
gagaaacttt cttaaaaagc nttcttaaga agattcctag agaagctaga gcttagctac 360
acacacctct ctaataacta agctcacctt cttgagatga gaagctagag cttagctaca 420
cacc 424

<210> 32022
<211> 357
<212> DNA
<213> Glycine max

<400> 32022

agcttttcat cgtgcttggt gggattatg actctgtgtc gctgaacagc tgaaaaagca 60
tatgaaatac caatcatcaa atttcgtcag tgaaaaaaaa aaaatcaatt ctgaatgagc 120
gtgttggtgt tgtggatgag atgagtgggtg aatgtaaact tcgcaaaact cactcacgtg 180
ggttttgtgg aggagagacc atcttcaagg gtgggttcct atcttctctg cgtttctgag 240
tggctgtaag gtaaatgcaa aactgcaaag aagacgtctg cttcacaaaa tggcaatttt 300
tcgaaatggc caccaattgc agatcacagt gtgcaaaaga caacattccc ttttctt 357

<210> 32023
<211> 418
<212> DNA

<213> Glycine max

<400> 32023

tgttacagaa cttaggaaaa atcaagaaca agcttggtcg cacatcggtc gcgtgtatga 60
tatccactcg acaagggttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
acaaaaacgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
tcactatcca tgttcacaca ttattgcagc ttgtggttac gtgagcatga actactacca 240
atatatagat gttgtttaca ccaatgagca catcttacag catactccgc acagcgtggc 300
ctcttgggaa tgaagcggca attcctcctt ctgatgaggc atggacacta atccctgacc 360
caactacaat tcgtgcgaaa ggtcggccaa aatcaacaag gataaagaat gagatgga 418

<210> 32024

<211> 235

<212> DNA

<213> Glycine max

<400> 32024

agcttccatt gttcaatttc gagtgtctcg ctatattatg cgctgaatc ggacctccga 60
atgacaatgt atgaccatct gaacttctcg agagctacca tcgatcaatt tcgcgcgtct 120
agaaatatta tgcgcctgaa tcggacctcc gagtgaaaag atatgaccat gggaatctct 180
cgagagcttc cgatgttcaa tctogaacgg ctagatctat catgcgagag tatgc 235

<210> 32025

<211> 407

<212> DNA

<213> Glycine max

<400> 32025

ttaacctcat cgtctctcac agtctttaga tttgggagcc aatccaatcc ttgtgttcgg 60
actctcagcc acttatgata gccgtcgatg atccattac tgcttcccct aagctctctg 120
tcctttcttc acgccgcac ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180
tcactgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctaatggcgc tcctctcatg 240
gggtagccaa gctgtcttat ggcagaacgg gattataatc atacaacccc ttgttcccat 300
caagggaaca tttggacatc ctctgcgatg agatagaatc ttgattcttc ctttcttcta 360

gcgaggaac caattaacag acgcccccc atgctagcca agagttg

407

<210> 32026
<211> 388
<212> DNA
<213> Glycine max

<400> 32026

agcttgagaa acattggtta attgagttac ttcaacattt tcataagtca acataatgaa 60
acaaaaacct ctagcatatg ttcccttaat aatgtaaaca ttaaacaatca gacagagtac 120
ttgcctctag cacagtgtaa tgatggattt gtatttatat agtttataat aatcatatat 180
ttaagaataa ccgccattta tgaatacagg acaaccaaac aaacttaaaa taacaacgca 240
tgcacgcaaa cacatacatg gggcatgtcc tgcaaccttg attaacttga atattggcca 300
tccatagctt attcaatggt tggttagtgt tacgcttcat attcacatca caactaacia 360
caggaataaa gtcatatcca tatcacia 388

<210> 32027
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32027

tcatgatgaa tcaagattga tttaaagagt tttgatgata acaaagatga tgacaaaaag 60
ctcaaaagtc aagaacactt catgataaca aagatgatga tctaaagaat caaagaatga 120
gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aaattgattt caagaatcaa 180
gaatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctaaagattc 240
aagaatcaag agaagactaa atcaagatcg tcttaciaag ttttctgaaa actgagtagc 300
acatgaattt ttctcaaaa ccttntacca aagatttttt actctctggt aatcgattac 360
cagattggtg taatcgatta ccagtagcac aatgggttcta tataaaagcc ttc 413

<210> 32028
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32028

agcttttaaag gatactacgt tgtcaccag tagggcctcc ttaacgtgtg gagccggtcg 60
 tgggatgatg atctgctgat cacaggccta gtgcctgctc gtaccgctcc ctgagaattg 120
 gttaagtggg aaatgacatt atgctgtgaa acatggctac gctaccactt acctcggttc 180
 atccctgtct tggatctggc gccgtattga ccatcgcttg aaatgatctt gtncttgtct 240
 ttcgattcat aaaataaaaa tgcattgtgca tgtgtcccat gagcagctcc cagcaataa 300
 ttttttagca aaagcctgtt gggttcagtt ctaattaagc gctggctgca tccccatgga 360
 tcgagcaaaa aggctcggat catta 385

<210> 32029

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32029

agctttcatc tagccaagat tatacacagg tgttacaaga gaacctaacg gtttctaatt 60
 atatgggcca tcaaacttat catgtgttga cagtaattga ttagcccata aatctcctcg 120
 ggggttgtac acacttcggc catggctttt gctttggcta atagtcgagg gaggtcttga 180
 cttccattca aggtcaaggt gaacctatgc atccatatag tcgcttcttg atgcaatgca 240
 tcaatcacac tacctctngc ttgttttttg gctcactcg cgcaaactct ccactagctt 300
 ttgttcatgg gtcatagact gggtaactc ttccttgtag taccctatga tagctagcat 360
 gctttgctcc gtggc 375

<210> 32030

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32030

ntcataggtg atataaagcg cagccatttt tcttatatta ctctcagag gtggagggtg 60
 cgccatgttc ttagaacgtg caaaatcaca acgctcagaa tcacaatgct caaaatcatc 120
 atgctcaaga tcaggatgtt caaaatcacc aataacagaa tgcacatact caccagttat 180

ggaatgctca caatgatcat cacggataca acgatgccta cctaattctat gaaatgtcct 240
atct 244

<210> 32031
<211> 383
<212> DNA
<213> Glycine max

<400> 32031
agcttctaca tgtctagaga gttatagaga gagaaaggct caagttccag agagtttggg 60
agattttgtt gtgtgaagat ctgcagagac cagagcttga agaggaagtc gtcctgagag 120
cttgggatga gtttgtgagt gattgtgagg tcttagagggt ggaggagaca tccccactac 180
ttgtatttct gcaatctttc atcattctct tctctttgtt gtaaaggaag cttcccagtt 240
atggaaagct aaatcctctg ttgaatcttc cttcacgtac ttgatgaaat atctttttat 300
ctatctaattg atgttttctg tgttctctgt gctatcagta tttcattcta gtatgctttt 360
accttgatca catagatgca cgc 383

<210> 32032
<211> 418
<212> DNA
<213> Glycine max

<400> 32032
tgtgcattca atatcctaatt caggcttttt catatgttct caagactgga ctaatacatt 60
tgctgcccac gtttcatggg cttgcagggt aagatcctca taagcatatt aacgagttcc 120
atattatttg ttccaccatg aagcccttga tgtgcaagaa gatcatatct ttctaaaggc 180
tattcctcat tctttggagg gagggtgcaa agactggcta tactaccatg ctcccagggtc 240
catttttcagc tacgggtgacc ttaagagggt cgccttgcag aaattctcga gacaaatgac 300
catacagaat atgcaatttc agcaagagac aagagtctcc attcagagtc tgacaaatca 360
gatggggcag atggctactc agttgaacca agctcagtcc cataattctg acaaattg 418

<210> 32033
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32033

cacacctgtc ctccatatnc tctctntact atntcagcta tgtgacatat gttatccgtc 60
tccatatcta canntnatca ccgcgngaca ttgagtctgg ttgacgtcct acgctcactc 120
ataggagaat tcgagcgccg cagccgagga tcctctacag tctagcagca tgtctgcatg 180
tttagaacat aacgacatgc aagcatcggc aacaaatgga cttcaagaca gtgcatctga 240
ttatcacgcy cttcgctaag gccacactaa cgtgccaatc atcagaggct aaacatagga 300
aaaaggctat cgtgctaagg gtaactctat aggacctata ctcccttgcta tgcacggtg 360
tggttatcat gccttaacag accacactcc tgagcacacc cgattggacc aacaggacct 420
cctggatgga cgtactgacg aaagcccaa tcgactccat gaccggagtt ataaagtata 480
taatacctac actgaaggta tttaactcct aaatcctatg gctggcctgc aaataactcg 540
aattcacg 548

<210> 32034
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32034

cggagagaat gactcactgt tggaaaatta gagatttaga gagacggcgg accacaaaat 60
tgaatgagct aaagaaggag atcaggtgaa ctttcgaata tgcctcataa gactatcatt 120
caacaacgcc accacaagtg ttccacatgc ttatatttat atcctccgtg gatccctct 180
gataactatc ttgataaact accttgagaa tggtacttta gcagttaccg cgagaagaca 240
gagcttaact caaaacgcat ataacgccac cctcacttgt tcacaagctg acttgataat 300
ntaacttgag aagcttactt gacaagattg ctggagaagc tagagcttat cactcccacc 360
gatttaatac ttaagatcac ctccctgata cgataagcta gaggtctctc g 411

<210> 32035
<211> 379
<212> DNA
<213> Glycine max

<400> 32035

agcttgccac ccagctcgcc taggcgagct aggttgcttc ctctgaagc aaccgcctta 60
 tggaggaata ttttggaagg cccaagtggg cctaattgct atttgcaccc ccatttttac 120
 taaatacacc tcttgctctt ttttggatgat tctttttccg taacgttatg aaactttacg 180
 aatttcgtaa cgatgcttgt tttctttccg taatgttacg aaaccttacg gattacgtaa 240
 tcataccttt ttttccttcc ggaacgttac caactttacg gatgcgcact aacacttctt 300
 ttttaatttcc ggcatatcac ggaacttcac gaattgtgct acaatgcttt cttttgactt 360
 ccggcatgtc acgaaactt 379

<210> 32036
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 32036

tgttgaaatt gccatgtttg gatgagttaa acatacccat tctgttttag ggtttttgtg 60
 atgatgtttg tgatgtttat atgctgaaat tgctgatgga agtctgttag agacgaggggt 120
 agaactaacc taaggttaga aagtgagaat gtgatgttat gagtggaaaa agagtgagac 180
 tttgagagtt ggaaggctaa gtctgaatta tgtggtaaata ggagggtaaa gtgagttaat 240
 actagcttga aatgtcattc cgacatgtga gaaagcgacg ctgagctaga gagaaaaaaa 300
 aatgaccaaa gtgaacaaag agccctttct agggcaagat tgggtgttga agagtcaaat 360
 tttgattcgg tgag 374

<210> 32037
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 32037

agcttgcaca aaaactttct agcagtaata ttaaggttat agaaatttct gtagaaagta 60
 aaacttaaaa tgggacaatt acttaggcaa gtcaagtaac taatatttct taaacagtat 120
 tggacactca taacgtataa aattataatg tttacctgag aagtgtcttg aacagaggaa 180
 gtgcgacccc atctctcaga gtcccaaagg atggagctat taaaagcaaa acttgaaata 240
 tgaattgggg gagtgatagt atcagtttgc tgctcatatg tccagatgcc aaccaatgac 300

ttgtgatgaa tcacatacag gtccttcgat tctactttct ctctgagtgc agctaacaaa 360
gctgtcggcc atg 373

<210> 32038
<211> 425
<212> DNA
<213> Glycine max

<400> 32038

tattaggaac tataaaactc agcttcacaa atagctgata gaatcaattc acagctgaac 60
aactcaaacc aaggcctaac cgtgtttgca cccactgata atgcattctc aagcctcaaa 120
gcaggaacat taaactccat aaactcacia gaccaaagtc agctgataca attccacatt 180
ctccccactc tctacaccat ctcacagttc caaacgcaa gtaacccctt gcacacgcaa 240
gctggaaaca gtgatgatgg agagtatcct ttaaatgtga ccacctgacg cgaaccaagt 300
gaatgtcgaa ctgaggtggt tgatacaaca gtgtccaata ctatctacag tgatactcat 360
ctctcagtgt atcaagtgga taagggtgctt ctttctatga agcttttcgg cgcgacggga 420
ccggc 425

<210> 32039
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32039

agcttgatta ccaatatccc atttttccct gtagctcatc gcgcttaagc ataagcaact 60
cttcgcttaa gcactagtag ctcataagagc ttcaaaaaaa gagtttttta ctttcaatgg 120
cttccaaatc aacccaaatg gaatctcaaa cctatcaaac atgtntatac atgtttaaag 180
aagcctacta tacaatgggt ttgttagatg atgataaata gtactttgat gccattgtag 240
agacaagtaa ttgggggttca aaatattatt tgctaaagtt gtttgcaact ctagtattct 300
ccaatcagtt atctaaacta gaatatgtgt ggaacaatat gtagcaatac ttgacagaca 360
agacaacttt tgcagtttcc aaat 384

<210> 32040
<211> 369

<212> DNA
<213> Glycine max

<400> 32040

cgcttgattt atgaagaaaa ttattgctgt tccgaagaaa tgaaagattt ttttcattta 60
atataatatt attgaaaaag aggatacaga gtataagggg tatacacctt tacaatctgg 120
tgattagttc ttctctgctg ccttttgcaa gagccaaaat aaattttatt ataatatgac 180
taaaaacaca agatgtgtta attaatcatc ttaccgtcca agtaaattac agccatattc 240
gtgcagcata acacaagtca cccccaccc tttcaaaaaga ccagaacgga aaattctatc 300
cgtacattga tttagattat tctctttcag gttgtggtaa tattaaaaaa gtattgtgct 360
gttatgtga 369

<210> 32041
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32041

agagctgatg agaactgtnt gaagtggttt atgactttcc ttacagccct ttttaagcgtg 60
aaaggagaag ggaagggagg gagaggatc gggttcgaat tccccaccta catctaacaa 120
actaacattc tcggataatt atgtttttcca gaaagagtta taagacaagg taaaattaag 180
ctttttccgt aagttaaaat taacttatgc ataatttaaa accagctttt ggagAACCTA 240
aagtgagcga ttttctatag aagtatataa gttgatttaa gacttagttc attctacttt 300
catattttct tcttctataa gtgcttactg aaaaatttat cctaactctg cctacattac 360
attgtttacc ccaacgtttc ccggtcctat gccactntca cgagtcacaa taaactcagt 420
ataagctctn ttaaatggtt tcttagtgat at 452

<210> 32042
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32042

agcttctctg aagttaaacc acacacatat atatatcaag acatgggaca aaatagttct 60

tacaaaaatg ttttccccag aacaagtaca cgtaaattat aacaaatgaa caaacaacaaa 120
 agcatacttt cattttctcc tatcaaattt atcctgagaa aacaaacaaa agtgagtcac 180
 ttacagggaa caaattcttc cagaactgaa gatcagtcctt aggaggctca actatcttgg 240
 tggcccaaca gaacaacatt atgagagagc cacatgcaag ggagagagtt gaggtaagcc 300
 aagggtatgg gaatgcattc agcaccttct tgttataaat gttgaacacc acattcagtg 360
 cccaccatgt tgcanagtat atcccaatct tcaccttctt a 401

<210> 32043
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32043

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 tataatttct atcgcttaca cagatctgca cccttctaaa caaatcactg ggaagacgcg 120
 tgatagagaa acaattaagt acaagagtta gaaagaatga tatatacacg gngaacctag 180
 agtattcatc ggtcagaagt taaaaaaaaa ctaatttttc aaagtattaa tgcttggtta 240
 aataattaac ctcttttaat agacattttt tcatacatat aaattaaaaa attaaactct 300
 taatctcata tgattatctg ctaactatgc ctttcagtta tatatgatac cacataacan 360
 acaaaaataa tcataataag aaaaaagggtc ttaataaccc catatataaa acccttggtg 420
 tttctagata tgggtggtgt tanttaaagt gttcataaga tatganatga gatcgaagga 480
 tagacnaagt acggtgttga atagtagtan aagaatattg aacctgttgt 530

<210> 32044
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 32044

agctttcttt cttttatttg tgtattttga tctcctttcg gtgctctcaa ttgcgggggt 60
 gtgctcaa atatggggca atcttgattt gctttcttgc ttgattacgt tgaattaggg 120
 gccggcatga gatggcccta cgcctataat gcattttgaa acaatacgac atgccacatt 180

gtccccgttc tcttgcattt gatgcctaaa cgcgcgcccc ccaagtgttc tgtgaaatgc 240
 ctcaatggca ttagcctgtg acttttgtaa ggagacaacc catgctgtat tatgctttgc 300
 gcatattttc tagtatggct tcattcccga caaaggctag agcaattgcc ccacatatat 360
 cctactccta gaaactgaca atctatgcac atagagcaca c 401

<210> 32045
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32045

aattgtgatt ctgcattttt tttcctaagt atctagatta ccagtgtttc tccatcgatt 60
 aagattaatc ttattagtaa tatataacta ttattaattc aaaaaaaaaat tacacataaa 120
 gaaaatcaaa cttaaattgt ttgttaaata aataattctc ctacatatata atacaattta 180
 caccactata tcaatcctat aaactaattt tgaatttgaa tttgaattta cacaataaag 240
 tttgttcaat tggtgtaaga taatatctta ttatatTTTT ttagattagt ataaaattga 300
 ttaaataata tcctattata ttagtcataa taggacaatt cttaaattga ttaattagtt 360
 aatctgattt agaatagctc aattgcattc ggtgaaacat acttgtgatg cagaaagaac 420
 aggttcaagt ttcaagtatc taagacatgg ntgtatataa cctat 465

<210> 32046
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 32046

agctttgttt tgatttcatg aagttgaaca attgactcca agcaatatat aggaacttac 60
 ttatggacaa acagaaatgc agcaciaagt aacaagggtc ctgtaacaag aatccatcca 120
 ataaccacca agctgcagcc acgataaaaa aaaaaaaaaa aaacagaaca tcttttactg 180
 atagaaactt aacgggagac aaatctatca gagtgaagga aatgaaatga attcaactta 240
 cgagtataca ggacccggca aagcaagtaa agaaaatact gcaaaaatta aatcaagttc 300
 atatgatttg gttaacattt agtatagagt aagaaaaaga aaaaagacaa aaccaaattc 360
 aaacatacac aatccgagaa atgcaacaaa gatcataaca gcagcaacag 410

<210> 32047
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32047

cgctccaaaa cgtcttcggt cggctccgct ctgttttccct tcaccgagtc ggacgaagga 60
 gacggagttg gcggcggcgg cggcgggtgat ggatgggaca acggtgacgg cggaggggtcg 120
 gggtttttggg attcgaataa tgggaatgat agcacggact tgtattaccg gacgatgatt 180
 gaagcgaatc caggggaaccc tctgttttctt ggcaactacg cgaggtactt gaaagaggta 240
 cgtgaattga agctatttag ttattacttt tagattaaag cgtgtagatg gatgaggtga 300
 tagagttggt tatttgatgg caggttcgag gggactatgt gaaagcggag gagtattgtg 360
 ggagagcgat tttggcgaat ccgaatgatg ggaaggtgct atcgatgtat gcagatttga 420
 tatgggagag ccagaaagat gcttcgcgtg ctgagactta ttttgatcaa gcggnntanna 480
 gcagctccga tgactggtaa ctaacatcaa actcttgggt gggtctcttt atg 533

<210> 32048
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32048

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 agaagcatgt gtaacacttg ttgtaacttt gatgaatgag agtcttgtga gacccaacac 120
 aaagtccaac ttctctccct ttttcttccct tcaatttcgt gctccccct ctctctttct 180
 ctccctcttt cttttctcc attgaagcat cctccaagc ttcttatcca aggctcatct 240
 tgggtggtgaa gctccttctt ccattggctta ttccctagtg gatggcgcct cctctcacct 300
 cttctccttt gtcttccgct gcattctccat ggtggaaaat caccattaaa ggaactcatt 360
 gaagctcaca gatccagcct ccatagaagc cncacaagca agc 403

<210> 32049
 <211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32049

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ctaaagtcc aagcactttc tccatcacc acagccacca ttagccacca caaacatca 120
ttgttctcca ttgaaaacc acaccgagag gaacccttca accaaagcgg aatcttccaa 180
cttggttgc ggtttcggta gagaacgaaa accctaactt gacctttcgt tttctttcaa 240
ggtaatcatg gttctatgct tgtttcttgt tagttccatc ttgtctttgc atcttttcta 300
actntggaac cgccattgca tgtcttatgc ttcctttgaa aaaccttaga gaaagagact 360
ntgtaaactg tctcttttca tgaaatgcat gttattttcg taacctacac tgaaccccg 420
tcacatt 427

<210> 32050
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32050

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attaattttt tttctttgcc ttctcttcca ttgttgtttc ttaatttttc tccatgtatc 120
tcctcacatg tcttggttcta aatggttgta acatgattct ttagagtttc caccgattaa 180
acttgctata gaagttagat ttgattttct atgggttcaaa tttcttggtc ttgttcttga 240
accatgaatt gtgttgagtt tacgttcctt tgagttttgt cttgttattt tttgtggctg 300
aaacctaaac cataaaattc ttacaaaaat attaaagtag aagacaacct cataaatcta 360
gagtgacttg ttcacctatt gtagttntgt catagaagtc atgt 404

<210> 32051
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32051

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 agccatcaag ggatggtcgt ttctccggga gcgacgcgtc cagctcaggg acgacgagta 120
 tactgatttc caggaggaaa tagggcgccg gcggtgggca ccaactggta ctcccatggc 180
 caagtttgat ccaaaaatag tccttgagtt ttacgccaat gcttggccaa cagaggaagg 240
 cgtgcgtgac atgagatcct gngttagggg tcagtggatc ccgttcgatg ccgacgctat 300
 cagccagctc ctgggatatc cgatgggtatt ggaagagggc caggaatgcg agtatggcca 360
 gaggaggaac cgggtctgatg ggttcgatga ggaggccatc gccagctgt tatgtatacc 420
 g 421

<210> 32052
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32052

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 gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaactttatg 120
 caaaactggc catgcatgca cctatgcgga cactcaactg gtcatgcatg cacctatgcg 180
 gacactcaag tgtcaaattt ttatgggtcat gtgacgctag ggctcaggat tcatttcctc 240
 tatttttagt caaccaacg ttccaaaaat atgttctttt atcaatttgt gcattcatcc 300
 gagtccattt tgggtactcg ggaaaatttt cacagcattc acccttcagg tgtatacaca 360
 ttntttcaaa aactagttat gatcagtgaa 390

<210> 32053
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 32053

tctgagaaga ggcaaatttg attatgttgc tttgggtgaat aggaagcctt gggcaaattg 60
 agagaataag aaggagggag aaacctatgt tgtgagtgtc gttcctacat ggccaaattt 120
 tccactagct caaaaatatc aatactcagc taatatcagt ctttctcatt acccaccgcc 180
 ctaccagcca agaacaccca atcatccaca aaggccaccc ctaaatacag cacaaaaccc 240

acctgctaca catccgaggc caaacaccac ccttaatatg aaccaaaaca ccaaccaggg 300
acggaatfff ctagaaaaga agcctacaaa attcacecca attctggtgt cgtatgctaa 360
cttactccca tatctactca ataatgcaat ggtagccata atcccaacaa agatttctca 420
acctccattt ttctgaggat acaactcgaa tgcaacatgt gcttatcatg 470

<210> 32054
<211> 401
<212> DNA
<213> Glycine max

<400> 32054

ttgcttttga ttaaagtgat gacgtacaag ccgtaaaggc aaagcttgag agagcccggg 60
tagtcgaaga gaagttcaag tccatagcca tcaaagtttg aaaagagtat gatgaactaa 120
gggatgtcaa tatggccacc gatgaagcct tggaatgaga aaccaagaag gcccgaaagg 180
aagaacacga ccaaagccaa gttttgaggg gctttatagg gcagcaatag tgagctcaag 240
ctccgaagag gtgaaaggaa tcatcacggg tcaaaggcat gatcttgaag gacgagctaa 300
aggcttgccct tatgtcgaaa agaaatttgt cccaacagtt aagcgagact gaagggaata 360
tgtggggccgt catcgatgag tgcacagaga agctaaatct a 401

<210> 32055
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32055

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gttttgctca aagaaaagct tactaaggca cctgttctag ctcttctga cttttctaaa 120
acttttgagc tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt 180
gggcacccta ttgcttattt tagtgaaaaa cttcatagtg ccaccctcaa ctaccccacc 240
tatgataaag atcttttatgc cttaataaga gccctccaaa cttgggaaca ttaccttggt 300
tccaaggaat ttgtcattca tagtgatcat caatcactta agtacattag agggcanagc 360
aagttaaaca agaggcatgc aaaatgggta gagtacctac accaatctcc ataggttatc 420

acatacaaaa agggacaaca aatgtggtag ctgatgcgtc tct

463

<210> 32056
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32056

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ggcgagaatt cagaatttag ctgaaattat ttgagcacia gtttttgtgg cagatcaaaa 120
aaatattctg gtcaaacttt gggcttattg gggtcacata cacattatta ttgggcaaaa 180
atttaagaga tacctattgg actaaatata cgttattgtt caaggtaaatt tgagcgacct 240
aagaataaag taggaaaagt agagcgccac aatttgctgt tgctttcatt tagccaacac 300
aaattgtttt gattntttta atatttaatt ataacattnt aaataattcc ctcagaacat 360
atcaataatt tggaattttc aacagaatat agatt 395

<210> 32057
<211> 500
<212> DNA
<213> Glycine max

<400> 32057

gacattcatg gtgctccgaa caaaggtgga gtatggagga ttgccttgag ggtccgcact 60
taggcaatca tgaaactcag ctccaaactc aaaagtggag gacacatgaa caaccctaag 120
caataacatt catgtgtctc cggaaaagga cgagaatgga ggattgcctt gagggtcctc 180
tcttaagcaa tcatggaata cagctccaaa ctcgaaaatg gaggacacgt gaatgacaat 240
gcaattcact cacgtggctc cagaaaagga tgagaatgga ggattgcctt gagggtcctc 300
tcttaagcaa tcatggaaca caactccaga ctcaaaagtg gagaacacat gaacagccct 360
aagcaataac attcatgtgg ctccagaaaa ggatgagaat ggaggattgc cttgagggtc 420
ctctcttaag caatcatgga acacagctcc agactcaaaa gtggagaaca catgaacagc 480
cctaagcaat aacattcatg 500

<210> 32058
<211> 400

<212> DNA
<213> Glycine max

<400> 32058

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catgtgcaaa aatgtaactg atgaataaaa cagagaatgt atgccaatga tataagcaat 120
agtttaaatg gtatttaatc tgatgtgaaa gccatacaaa caaaccttaa cagcaccatc 180
atagtctgtg gaggcaagat agttctggat gtagttattc caacaaacac aactgagcct 240
tgatctgttt gacatctcaa ctacaggata atggatgtca atggaatcat tgaaaagtgc 300
attgaactca aatattttta ttttctttga tatcccagca gcagcaaagt aatcttcac 360
cctatcaaaa ctacagagagc atattacatt tgcaggatta 400

<210> 32059
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32059

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ctggccctgt tattgcaatg gttagaaaat ataaatgact caaccactga cttaagaatc 120
caacaagcca gtgtccctaa tctgtctttt tttcttggtt ccaaaaattg atatcatatc 180
tgtgggaagg acaaggagtt atttcctatg gccgaaagct aattggagcc acagatccac 240
agaaatcaga acctgcaacc attanggggtg atcttgctgt tgctgttgga aggtaactaa 300
tagcatgttt ggttacaaga tgtgggtttt acgtgtactg agatgtttat agttataatt 360
ntcacatcca aaatgtaatt tcttacttct taacnntggt caaacatcng tataattggt 420
aaccanagaa aagtgttagt ttcgtttctc ttacataat gaattgtcca tttattgggtg 480
atcacaattt gataattggt gtcatgcatg cagaaacatc atccat 526

<210> 32060
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32060

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 ggtcagcaga ggagcacaaa ccacagaccc ttgcgacagg tacagatttc tagttcaagg 120
 ccagctgggt taccaagtta actaatgcat ctagtttgcc ttcaagcttc ttagtttcag 180
 atgatgcagc tgagtttgta gctacctcat gctactctct aatgattata acatcatttc 240
 tggcgctaaa ctgctgggag ttggaagcca tcttctcaat taaatgtcta gcttcaatac 300
 gagtcatgtc tccaagggct tcaccactgg cagcatctat catacttctc ttcattattac 360
 tgagtccttc ataanaatat tgg 383

<210> 32061
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32061

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 tttcacatcc atttggtgca actcaaggctc aaaataagca actaatgcca agataatacg 120
 aagagaatct ttcttagata caggagaaaa agtcattgtg taatcgattc cttctttttg 180
 agtaaatcct ttagcaacga gtcttgccct gtatctctca atgttgccca atgaattggt 240
 tttggtctta aagaccatt tacaaccaat ggcctttgcc ctattaggca actctacaag 300
 gttccaaact ccattgctct gcatggaatt catctcatcc ttcattggaat cataccataa 360
 atttgactct ttacaactca tggcttaatc aaaatttttg agatcattnt caactccagt 420
 attatagtca aattcttaca aatatacaat antataacta ggaacnaact aatntcttac 480
 tctagtagat ctgcttaatg gtgtcatcac attntcttgt ggatcatggt gttagcnagg 540
 gtgtgatcat ttc 553

<210> 32062
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32062

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attaattntt ttgctttacc ttctcttcca ttgttgtttc ttcatttttc tccatgtatc 120
 tcctcacatg tctagtgcta aatggttgta acatgattct ttagaatttc caccaattaa 180
 aatagctata gaagctagat ttaattttct atggttcaaa tttcttgttc atgttcttga 240
 accatgagtt gtgttgagtt taagttcctt tgagttttgt cttgctatct ttttgtggct 300
 gaaacctana acataaaatt cttacaaaaa tattaaagta gaagaaaacc tcacaaatct 360
 agagtgactt gttcacctgt tgtagttctg tcatagaagt catgtcta 408

<210> 32063
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 32063

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 atgaatgcaa tgaaaactat tttccccaag tcaaccaact tgttggttg gtttcacatt 120
 gataagaatg tgaaggcaaa atataaaacc tttgtgggta aaaaaaatgc atgggattat 180
 gtcattggaag catggaggag tctcgtggat tgccttctga gcaagggttc gatgagttaa 240
 gaagtttgaa attgcttgct caccatgggc aatatttggt gactatgtca aacaaacaaa 300
 gttgattccc tataaacaaa gatttgtaaa gcttggacga ataaggtgat gcatttatga 360
 aacacaacaa ctaac 375

<210> 32064
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 32064

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 tatcttttca ttctcttctc ctttttccaa aagaacgaag gactaatcgc ctgaattctt 120
 ttgtgtctct cttctccctt tgccaaaaat aattcgacaa ggactaaccg cctgaattct 180
 ttttgtgtct ctcttctccc ttttccaaaa gaacaaagga ctaaccgcct gaattctttt 240
 gtgtctctct tctccctttt caaagaattc gaaacaacac agtctgagaa ttcttttgat 300
 tcttcccttt ccttacaca aaatatttca atggactaac tgcttgagat atcttttatt 360

tccccttcac aaagtttcaa aggactaacc gcctgagaac tttgtctta

409

<210> 32065

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32065

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tgaagttgat gagtacgctt cttggaattg ggatgaagaa aaagtggaga agaacgttct 120
tatacccgct caactacctc aagaaaaagc tgaggaagaa gaccaggtg aaccaccttc 180
acctccacca caacaacaag atcaagaact atcatcacca gagtctactc caagacgagt 240
aagatctttg gtggacatat atgaaacctg taacttggcc atacttaaac ctggaagctn 300
tgaagaagcg ttaaagcagg aagtatgggt caaggcaatg gaagaagaga tacagatgat 360
cgagaaaaac aacacatggg agttagtaaa tcgtcccat caaaaagata tcattggggg 420
taagtgggtc tataagacan agctcaacc tgatggcacc ataca 465

<210> 32066

<211> 397

<212> DNA

<213> Glycine max

<400> 32066

agctttcttt agatgctaga gggggctaag ctcacacccc tccaatagct aagctcacac 60
ccatgccaaa atacatgaaa ataattggga gcttccttga gaatcaagga acgtagcctt 120
cttggaagc aaggaataat gcttccttga aaagctagag gggagctact cacaccctt 180
caatatgaaa atacaaaaaa agtccctact acaaagacta ctcaaaatgc cttgaaatac 240
aaggctaaaa ccctactact agagtactct taacttgtac ccttaatttg tagggtagcc 300
tataaaccta aaattgccaa aatataaggc ccacaagaag gaaaacctat tctaataatc 360
acaaagaaca gtggacceaa ccttcgtcca tgggctc 397

<210> 32067

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32067

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cccactactt gtattttcttc aatccttcat ttttctcttc tctttgttgt aaaggaagct 120
tcccaaatat agagagctaa atcctctgtt ggttcttcct tgtagggtact tgatgtaaat 180
acttgtatat ctatttaatg atgttttatg tgttctttgt gctatcagta cgccatttca 240
ttgtgctttt gccttgatca tgtagatgca tgctttgtta ggatcattca acagtggaaa 300
atggtctaata tcttagaact tgataagaca gagctagttt atcgtattat cagcagggat 360
cgagggtacgg caaccttggt gttgtatggt tgcttaatgg ggtctgtcgt gttagtcaaa 420
tgagaattga gatatgcttg atctgatang tagatatacg agaattggatt acattcaga 479
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<210> 32068

<211> 402

<212> DNA

<213> Glycine max

<400> 32068

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gaatttatcg aagacctcaa cacagatcgt gatgattgggt ttctaaaagt gtgtattggt 120
tgattgtgga atgtttatac aaaacaagtg agcaacataa tatgatttca aaattcaata 180
atattttaca aggagagaaac atatacacta tacataattt aaaaattgtc tcagcaaattg 240
atgcatacaa acttgtcaaa ggaccattca aaggattatt tttacttact attgttggtca 300
agacaatcaa taacatatcc attagcattc ctctacacta ttctgagttt ggttcaatgg 360
aaactctagc tcacagggtg gatgatagag ttgtcttaac at 402
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<210> 32069

<211> 493

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32069

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ctgtttccca cctccaactg agctcacgta ctcccacgta gcccttatca ttgttcctct 120
 caacgccggg tccccatcaa tcttcccaag ctccacaac atccaagtaa tttaacattc 180
 aatcatcaca aactaacaca gccaaagaaa caggggcaaag gcagaaaact ctgccgaaaa 240
 cacaaaccaa catcacagct ttgcacattc aattacocca gtaacattct cttcgttcca 300
 gtttgttaac cgttggatcg actcanaaat tntactggaa gtctctagta cataagtcta 360
 cattntgacc gttgggatct gctagaaaat gtccagaacc ctatatgtac taccatnttc 420
 acaaccagcc atacacanaa catttttctgc acttataata aattctgggtg cacattccaa 480
 cagcaaaaac aac 493

<210> 32070
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32070

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 attgcttttg aagcatgcct aactgtccac aatgcccaac acgagcacia gtgcagctca 120
 cacacataca cacacaaaca tattctttga taagtatagn ttatatgtct tttaatattat 180
 gatacttatt tgaattatat cttattattt ttgtaaggct actgggggtac gctcaatagc 240
 ttttcatcct gatggaaggg ccctatttac tggacatgaa gatgggttga aggtaaaaaa 300
 agttacaatg ttagattata taaattatta atgcagcatc tagaactgat ttaagatgtc 360
 atttctatgt tctgatatgc tgtaggtgta ttcattggaa cctgttatat 410

<210> 32071
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32071

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 acctactagt tatatatcag agcataaatg aggaaattct gacatgctag gatgtaatcg 120
 atggatgaac tgcttttgta taggatgggt caatggaaac atgcttacia tgaccttgga 180

acactaatgc aaaatgatgg catcaaccta ctttaggtat aatttgtttg ttccctttct 240
 tgggtctcatt ttaaaacccat ggatcacatt cgaatgaccc agcaaaacaa tattgtccga 300
 cacttatcag ttgaattttc ctaccataat tataagttct catatatata caccacgca 360
 tgatgtcaac attcatgtta attattgcaa tattttaaat cctttacca ggaatcantt 420
 ttctctactt aatataccca ttntaaaaag aatgcgccat aaggaagtcc attaacttca 480
 tcttttttac ccttacactt ttctttcgct cttatcaatg gtcgttctac ccgaaatatg 540

<210> 32072
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32072

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 tgaagatgac gattcagatg taagtcagat gtagctcagc aggcagcacc cttcaaataa 120
 ttttctgaaa agatactcaa tattgtcact atatatgtca ggtatgcttt gccaaaattt 180
 attgtcattt tactaaaatc ctttctgacc taacatgaaa gtgttaaaag gtgtaaattt 240
 ttttctgac ctaacacaat acaaactgcg tgaaaacgat gtaatagata gtctctaatac 300
 ctctcagtct ctcattaggc agatgggtgtg tttagtactg agtaggaggg gcagaacccat 360
 tntttttaag acaacaagt atgtaataaa aatgttatac atataat 407

<210> 32073
 <211> 501
 <212> DNA
 <213> Glycine max

<400> 32073

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 ttggcttttg ttgttacttc ttctcactt cctctctgca cattttttgt ttctaatacct 120
 tctatttagg tatgttttta tggcatttaa atacttagta tttcttttat tatttgatta 180
 gtatgactga acatgatgat tatatttatt tgctattggg tgtttacggg tatgagtttt 240
 aaactcaatt attttgatga tatatgacta gtggtatgta cttttatttg gttattatga 300
 atgactttct ggattatatg acattctatg aagtattata tttttagtgt gatgaatggc 360

tatgatatct tgtttgattg gtttctattc tcatgtattc tggtatatatt attatgcat 420
 ttgaacaatc taactatttc ttatttgcac ggtatgggtg aacaagtatg ctatttcgct 480
 atgtggattt atagctaac t 501

<210> 32074
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 32074

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 attcaaagat tggatctctt gttagtgttt attaatgaat agcttaaaca cttgtgcttg 120
 agtgaaacag tagtcgtgag actgtggttt aagctgcttt ccttaatatc tgtcttatga 180
 ttaacttcat ctaatggtac aacttacatt ttattcttct ctatgcatag ctgcatattt 240
 tgtgaaaaac aagtgatgag tagatattgc ttcatttttc ttatcatgca atcaataatt 300
 tttgctgcat acacctttgt acatgatcac tgcattgttat tgtcacttga ggacaagtga 360
 gttgttctct ttttgcttga ggacaagcaa aactgt 396

<210> 32075
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32075

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 agaaggtttg ttctaatatt ctctacaatt gcctcacctc tcaatgagct ggtaaagaag 120
 catgtggcat ttacctgngg tgaaaaacaa gagcaatcct ttgctttgct caaagaaaag 180
 ctaactaagg cacctgttct agctcttctt gacttttcta aaacttttta gctagaatgt 240
 gatgcctcca gagtgggagt tggagctggt ttgttacaag gtgggcactc tattgcttat 300
 tttagtgaac aacttcatgg tgccaccctt aactaccctt cctatgataa agagttnat 360
 gccttaataa gagcactctg aacttgggaa cattaccttg taccctanga gattttcatt 420
 catagtgatc atcaatcact taagttcat 449

<210> 32076
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 32076

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 caagccgagg cgcttccgta acgtttccgt gggtgatttc gcgaagggtt tcggccgttc 180
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 catttacatt tcctttactt ttcgtacccc cttttgacgt gctctagtca tttgcttaag 360
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<210> 32077
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32077

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 ctctctcttt cttcttcatt atgatctcta ttctccattt gatccaacct ctcatggagc 180
 gcatcatctc gttgtttcat taacctctcc aaatgttgca tcaaagcttg catttggaat 240
 tgcgaaagcc ccactccatc attaggatta gtacctgaca tctcaaaca acaaatcaaa 300
 cgtaacaaga caattatagt tgctgtttga atacctcacc cactcaagtg tatcacacaa 360
 ttatggctnt tctctaata aacactcttg ctttttacca ctctaattcc ccttgagttc 420
 ttaagcaatt caagagatta tggccacaac anagaacaat tcaccaatat gt 472

<210> 32078
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 32078

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 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaacaag gctcattttg 120
 cttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcacaat gaaagggttc aagtcattaa aggacatgt aatcgattac 240
 caatacatgt aatcgattac caatgggttg aaagtgtgta atcgattaca catcgatgt 300
 aatcgattac cagagactct gaacgttggg aattcaaatt ttaaataag ggtcacaact 360
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<210> 32079
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32079

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 ctgattgtgc aagattttca ctactaatag caggaagata actgtggcgt ccctaaatta 120
 atgactgggt tgatagtaat gatttaaata acaaaaacca tggtaaattt ttttttcttt 180
 ttctttttca tttctttctc tttccaccat aactagggtt agaaggaaaa tcctcactat 240
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 atctctaaac tattttgctg tttcaaaagg aagaatgtac cagccattac tttaggtcgt 360
 cacgtgaaaa taaaagaata aaatacgggc gataaactct tttacaaata aatttgctaa 420
 tgctttcttt tcacataaca agattgatca taaatgcatt cgtcatttac agctgtccaa 480
 aatatgggag tttacanaat acatagtgtc at 512

<210> 32080
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 32080

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tgtcacatat gattccaagc atgaactcca tctacaagtt accaaggaat cagtgtgac 180
 ctgtgcgtag aaaaaatagt ttttttcccc cttttattat aaaacaaagc attctcactc 240
 ttttactatt tttcttttca ttgtcatctt cacaggaagc cttcaactta tttgatgtat 300
 tctgaacact aagaatgaaa tctttcatgg cagctggatc atcagccctt aatttcatcc 360
 cacaacctat tcagacacat aagataaaaa taagtcagag atgg 404

<210> 32081
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 32081

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 tatgggaatc taacaaataa aaaaaaaaaa cagaaaaaga ggagggtgaa tgttaccttg 180
 aagcaaccac tttatcaaag gcactaatgt cagcaaacac ttctattata ataatcacac 240
 aaatacacia taggccagcc aacagaaaac atatttatag ggaagtgtta atgttggtgc 300
 gtgtttttatt ggtaaaactat atatatacga aagataacaa aattattcgg atccagaccc 360
 agtttttagg acctccaacg ggaacttaaa taggcacata tggttatgca aaaatactaa 420
 ataattaata attatc 436

<210> 32082
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32082

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 tattgccccaa aaccaagctt gaccaatccc gacccaaccc aggcatagtc agtcagttag 180
 aacctgtgat gtacctaaac aggcgagctc ctggcagtca accgataaaa gaacaaagac 240
 cacaaagcaa ggaggcttat gtgggtggctg gccagctgtg aatcttgagt gatatatggg 300
 atatggcctc tggtaatcga ttaccaaggg tgggtaatca attacaaggc ttacaagtga 360

aggcaggaag ctaagatggc ctctggtaat cgattaccaa

400

<210> 32083

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32083

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gcagctcacc aagatgtctt cctcgcttga tacgatgacc agatgccctt ccactacgaa 120

tttcaacttt tgggtggagtg ttgagggaaac aacccccact gagtggatcc acgggcgccc 180

caatagacag ctgtaggggg gggttaataac cattatttgg aaggtgactt gacaggtgtg 240

agggcctatc tgtactggga gatcgatctc tcccctaacc tctcggcggg tgccgtcgaa 300

ggcacgaacc accattgaac ttggctttaa gtgggaggca ttgaatggta atttctccaa 360

agtgatctta ggcacacgt ttaaactgga accattatcg atgagcactt tggctacgat 420

atggtccata cacttgactg atacgtgcan agccttatta tgccct 466

<210> 32084

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32084

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gtccttggtta atttccgcaa tgtaattct ataattctat ccgaatttct tatttgcata 120

tctctagttt tacttaacct ttttcgggtg ttttgtacct aaattgtatt ttagaatgtc 180

ctctttgatc tcaatttgga atcgtcctaa ttcaagttat gtaggctgag aaacaaataa 240

aagttaagat acgtttccag ttcaattggg gtgcgaatct catcttaaaa nttatccaaa 300

ttgaanaagg caaggcgggt cacatcaatt tgatatatat cttcttatag ctntttattc 360

ccttattata tcgaacatta tattctcttt c 391

<210> 32085

<211> 448

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gcattagcct ctccatatga tgcatacacag cttgaattag gaattgacgac agctccactc 180
catcattaag agtgttctctg ccatctcaaa catacaagct gagcgtcgca ctgaagatca 240
tagctagtgg ggagaagacc tcaccactc aaatgtatca caccattatg g 291

<210> 32088
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32088

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gcataatcag acaacaaaca acaacaaaca tttgactta aatcaactaa cacaatatt 120
catagagtca tgagcataac caaatcaac ctaacatcaa cacacaaacc aactaacaca 180
attattaaac aagttacaga aaagaggaga aagacacaaa ccaactaaca caattattaa 240
acaagttaca aaaaagagga gaaaaagggg agaatcctg ggttgtctcc cactaagcgt 300
ttctttaatg tcattagctt aacgggtcaa atgacttcaa gacggcatga aggtcacata 360
gaacacatat tccttacatt ntcacttctt agctagagac tccatg 406

<210> 32089
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32089

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ctgagtatga cagtcaccgc tttaggagcg ctgtacacta gcagcgcttc gaggccatca 180
agggatgggc gtttctccgg gagcgacgag tccagctcag ggacgacgag tatactgatt 240
tctaggagga gatagggcgc cggcggtgga catcactggg taccncatg gccaaagtgc 300
atccagaaat agtccttgag ttttatgcca atgcttggcc aacagaggaa tgtgtgcgtg 360
acatgaggtc ctgggtaagg ggtcagtgga tctcgtttga tgccga 406

<210> 32090
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 32090

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atgcattatg attcctgaac aagtaaacad tctttcctcc taggatagta ctattggagc 180
aagaccaagg tgtaagtaaa aatgcttagc aaggtacatt acaattagca acgtttaaaa 240
tcaagtaaaa taactcattc aatcaatatt ttcagcaacc aatgctaaag tttaaatatg 300
gcaccacggt attagttagt ttattttgtt aaaatatcc taaaaatc atggatatgg 360
gtttttttgt ctatatttcc tcttggctga ttcatt                                     395
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<210> 32091
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32091

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ccttgtttga ttattctttg gcatcattaa aatcatgtat taatacattc acatttggtg 120
tccgacaggt acttcactcg ggatgcaaca acacaaacta tcaactctaa gccaaacctt 180
gagtttgatc agaatgatgt catgcttttt tttttttgct ttaaagacat gtatgaaaac 240
tcacgtctct catccaaatc agagtatgac aaggaagaca cattcaatca tacgtgcatg 300
gtaaaatctt gcgtctagta aagatctaaa attcaatgat taacatattt tcttcctgag 360
gcaagaagga gatgacgagt tntataagag ccttattgat agcatccctc ttattccac 420
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<210> 32092
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 32092

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tctccgcatg tcaacgggct tgtcggacgc gattgacgaa ggtcgcaaaa gacgacgtta 240
gtctctgcgt cttatcaggc ttttcgtctt acagacatca aaaagtttat acggataacc 300
actcgggtat ttccgcccgt cagcgtaact canaagtcag tatgacagat cttgtgagcg 360
cggaagatga cgtaaattctc cgcgtgtcaa c 391

<210> 32095
<211> 501
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32095

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gatgatttct ccagatttac ctgngtcaac tttatcagag agaaatcaca aacctttgaa 120
gtattcaagg agttgagtct aagacttcaa agagaaaagg actgtgtcat caagagaatc 180
aggagtgacc atggcagaga gtttgaaaac agcagggttca ctgaattctg cacatctgaa 240
ggcatcactc atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg 300
aaaaacagga ctttgcaaga ggctgctagg gtcattgctt atgccaaaga acttccttat 360
aatctctggg ctgaagccat gaacacagca tgctacatcc acaacagagt cacacttaga 420
agaggcactt caaccacact gtatgaaatc tggaagggan gaagccactg tcagcacttc 480
acatctttga agtcatgtac a 501

<210> 32096
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32096

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gatcctgcat gcacgcacgc ttgttttttg ttacgacccg cagaccgggc gggtagcatg 120
ggatgtcgag ccacatgcac aagcctatca cgccacatat tccaccattc cacttttgcc 180
acctaacatc aaatgtcgga cagtcgagtt cttgaacgag acctacgtct tatcttcacc 240

aaaccctccc aactcatcta ctttaatacag tatatatgat gacactocta ttgaaatcgt 300
 cttacacatc tatgtcccat gaccattctg ctacgactgt cttgatgtca tgcattgttc 360
 gaccggattc tgagcatatg acggatcatct ttgaaatcag tgtgatgatc gcgcaacctc 420
 ctgcatgatc tcatctagat gatgctcatt cttctgacct atgtgcacat actatctctt 480
 cacacacg 488

<210> 32097
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 32097

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 cagcaataac atgtcactga acagtcggca atagttgtag attgccagaa gttgctggca 180
 agtcaccaa aaggcatcag aagttgctgg aaagttgctg aaaggttgcc tgaaaattca 240
 aagccaaagt gatacgttgt tggaaaagtt gcagatggtg ataacttgct agaaaagttt 300
 tacgggtgtg tggatcatgg caacggtaac ccacagggtg acagaatgca ctggaagaat 360
 aaaacaacgg aggagaatgg 380

<210> 32098
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 32098

agctttcaat ctggctcctg cttcaagctc tggctctctg aaatcttcac acagcaaaat 60
 ctctcaaaac tctctggaac ttggaccttt ctctctctag aaaccctaga catgcaaagc 120
 tctaaatccc agtccaaact ctcttcacaa aatctgattt caagcttaaa taggtggcct 180
 tgtttgtgct tatgcgctaa gcgcacttat ggaccgctta gcgcacatta gtgaatttcg 240
 gcttagcacg tgcctttctc gcttagcgga tgaactgaag cgggtgcactt agtgagatga 300
 agcgggtgtg tgtaagctcc attggagctt gtaggcctac gatcttcac aatggattcc 360
 tttgcttctt ggaagatgag tggcagcgga atgga 395

<210> 32099
 <211> 296
 <212> DNA
 <213> Glycine max

<400> 32099

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 gatgaagggt agaattaacc tagggtaga aagtgagaat gtgatgttgt gagtggaaaa 120
 agagtgaggc ttgagagttg gaaggctaag tctgaattct gtggtaaatg gaggttaaag 180
 tgagttaata ctagcttgaa atgtcattta gaacatgtga gaaaggtag gctgagctag 240
 agagaaaagc aaatgaccaa agtgaaccaa gagccatttc tagggcaaaa ttgggt 296

<210> 32100
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32100

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 cattatttta atttctattt ttatttgata aattttgtcc cccaatttta aaaaaaaat 180
 ccacgatttt agtttcatga ctatcaaagg ttggctatgt attttttata atttttttta 240
 taaattaagc ttattaataa ttaattaatt ttaaaaaaac ttctttcaca tgactaataa 300
 tttagatata agactaaaat catttttaat tgagacattt cgtctctcac ttttaaaaat 360
 tcactattnt aattctctct tttatttgaa aaat 394

<210> 32101
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32101

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 ttatgtactg tccaatgtcc acaaaagga catgacaagt aacatgatgc ttcaacacac 120

acgtcaaccc tccatgtcag ccttggaaca ggagcacaaa cgcacgccc ttagaaatta 180
 ggctactgga ctgacaagtt atctctaaac actttaatat ctgaatatta ataataatgt 240
 tacaaccttc ttattattaa gtggcgggta ctcaattatc tataagatat gaattatcta 300
 taagtaacaa cttatctact agctattatc tacaagttag aaattatctg ttaagggtgt 360
 tataccactg taacagctca tacaataag gaccanaac tctcatctca ctctataaat 420
 atcaggttct atctcaccat ttctattcaa ttctaaacta actcacgtac ttacttgaac 480
 gtcagagtcc ctttgtttgc aagtctccct tcgtnngtct ctaat 525

<210> 32102
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 32102
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 cgtctccttt acaccttgac ttagcgaggc ttcatcttgc tctcgaagc cattctctac 180
 gatatccac acatcttgag ctctagtag cgccttcac ttgttactcc aattatcata 240
 gttgttcttt gtgagcatcg gcatttggaa aggaaaacct ccattcgcca tcttttgagg 300
 atcttgaagc tctgatacca atttgttggg aataaggctt tttatgttta ggaaaagtgt 360
 ttaagaatat tggagactct gaatagaaac ttgatag 397

<210> 32103
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32103

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 aatcgattac caatgattgt ttctgaataa atcaaaagat gtaactcttc aaatgggttt 180
 tgactttttc aaattgggtt taagtttttc taaaagtcac aactcttcta aatgggttct 240
 ttgaccagac atgaagagtc tataaaagca agactntgtt ttgcattttc acaaaaaaaaa 300

aaaaaaatcc aatcattaat ctacacatct atctttttcca attcattctt tacacaagca 360
 attntttccac attgattttct aagtctcttt gaactttcttc ttctttccttt tgccaaaagt 420
 tttccaaagt tttctagttt tctaaacctt gaaaacttgn gttattcatc tttntcatct 480
 cttctccttt ntcaaaaaga attcgtcaag gacttaaccg actgaatatt tt 532

<210> 32104
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32104

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 caaaaagccc aaagaatgat ttcaagatta agtcaacaag ttcaagatca agtttaattt 120
 caagagaaga aatcaagaag attcaagaat caagagaagt ttgatttcaa gattcaagag 180
 aagatgaatt caaggttcaa gataagaaat caagaagact tcacaaggga agtattgaaa 240
 atattttttc aaaaaaaaaac aaacatagca cagttttgtt tttcaaaaga gtttttctca 300
 nattttctag gttgccaaag tttttactct ctggtaatcg attaccagtt tctgtgaatc 360
 gattaccagt ggcaaagttc aatttcaaaa gttntcaact gaatt 405

<210> 32105
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32105

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 gctgtattct gtgtgttttg tcttgtagt ctctgacagt ctttcattcg ccaagttggt 120
 aaacataaaa tgagtttgaa gagttgtgtc ttattttgtg ttcgtactgt gacatcctgg 180
 aaatttctac ccggaatttt tggaaacaat gtattttgaa tgattatata tatatatata 240
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 atagaagtag gaatagtgcg ggcaagatat gcgggttatg ctaattaacg aagagatatc 360
 cataactgtg aggcctatggg ttaattctta attaattagt ttagaaatca ttggtgtgcg 420

tgtgacttac aatataacga gaccaacctc tgaaccacgc tgcgggttgt attctgaacg 480
ctntgatata tata 494

<210> 32106
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32106

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acactaattn tgtatatatg cataatgttt ctatttattg tgtcaaaaaa aactgtaagt 180
acaaatgaaa ttaataagtg tgtatgttgt aattccatga atgaaagctg agtgcctaaa 240
taaaaggcaa gtatgggggtg ggaatgaatg aaaaagtga ggtttatcta tggatgaatg 300
ctctcctaga acctaagctt ttgaatccta gaacaacat gatttggttg cagcctaacc 360
ccattacaag cct 373

<210> 32107
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32107

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ccttacctca cacaagtcta taacatcaat ttaaacttgc tcaactggat ttacacctaa 120
aatttcaccg aattaaaatt tgactcctca acaccaatt ttatcctaga aatcgtcttt 180
tgttcacttt ggtcatttgt ttttctctct tgcacaaccc anactttctc ataagtecta 240
aatgacattt caaactagga ttaactcctt ttaacctcca aataccacta aatccagaat 300
tggccttcca aatctcaaag tctcactctt tcttactca caacaccata ttctcacctt 360
ctaaccctag ggtaactcta ccttcatct ctaaacagtt tccattagca atntcagcac 420
ataaacatca caagcatcat cat 443

<210> 32108
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 32108

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 tttcaagaac ttccaattgg cctcttttct tctagatgct cgccacgtgt ccttccttgt 180
 tgtgtttctc gtgcttagcg cgtacaggca cgctgagcga gctactccaa cttcaaaatc 240
 ttcaattctt cttttcctac aataaaacat taaaagctaa taaaatttct tagaagttaa 300
 agacactaaa cttactccta attaatagtt atattagcat aaaagtgatt aaaacaaagt 360
 tctaagtaat gaaaaatgta agataaatgc taag 394

<210> 32109
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32109

caatttttca tgtacaattg tacatgaatt gttatgttat gctattcttc ttccgttggt 60
 agtgcatact attagtatgc tctttatctt tcattgtttg aggttctgat agagaattag 120
 ttataaggat agtttggtgg ttgaaggaaa aagaaaagaa gaagaggtcg tgggttcaaa 180
 atttaaattc ctctactaac aaaaactaac aaattattaa cttaaatttg tctttctggt 240
 ttaggaaatt ggctagttat atgagttcaa tcaagacatt gagcatgcta aatcatcttt 300
 agctgaactg tttgttcaat taagatgatg agacatttag agtatcggtt tocatttcaa 360
 gcctctcana attttattct ttaaaaatac aagtaatggt gtacgttttt tgtcgccaag 420
 ctaactaaac ttattataga taattcacct tcaggtagta agcttatagt ggaaaattat 480
 gaatgcanac ttcataaaca ccatcattca ca 512

<210> 32110
 <211> 158
 <212> DNA
 <213> Glycine max

<400> 32110
agcttttatac tgtttttgca acgctccaca tgttctttaa atggtgtaat caattacact 60
atatctgtaa tcgattacca gtgtatctac acgctgaaat tcaaattcaa ttgcgaagag 120
tcacattctt tcataaaatg cattgtgtaa tcgattac 158

<210> 32111
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32111

agccccgtag nggtgtgctta aatgtctaaa ataaaagaaa aattatgtaa taatgcctct 60
ttgccgaaaa ttttatcagt gaaaataaaa tattttgcat ccgaatcttt gccgatcctt 120
ccccacccc acctcctntt ccccccccc accctcccct ccccccccc cctccccccc 180
cctccccccc ccccccccc cccctctccc cccccctccc ccccccccc ccccccccc 240
cccccccccc tctccccccc ctaccccccc ccccccccc cccctcccc ccccccccc 300
ccctcccccc cccctctccc ccccccccc cctcccccc ccccccc 347

<210> 32112
<211> 547
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32112

agccgaacac atcganggat tgattgggtt ccgaagtaac aatttggtcaa tttnggntaa 60
ccggaacaat tggcccccttc cttgcatttt caaggcttgg ggaaaattgg gcgaggtgga 120
gggaacgccc ccgccattta cgcaacgagc ataatgtaaa cctttacggt tttaaaagct 180
ctatagttgg gcctaggctt tagagntttt cctattgtta aggctttgcg tcctttgctt 240
cctgccctat cccctctgca ctcttctttt tcctttcgtg tgtctctccc ctcttcttc 300
acttgccggt tactctcttt cctgacctcc tgactctgcg cttccctccc gtgctgcttc 360
tcacttctct tcttgcttcc tccgctgcg tctcatctct atcttactcc ccactcctcc 420
tcctgtggtg gtggttgag tcgtctctcc cctcctctc ttctctctac ctctctcttt 480

<223> unsure at all n locations
<400> 32118

agcatagcaa ctagtggaag ggaatgagag gtgtcgcaac ctacctttcg gcgggaggcc 60
gacgcgtgac tcgcgncatg cgtgttccac gaaaggaata cgcacggagt cgccaccaac 120
gttctattga ggaaaaccgc gcacaacc 148

<210> 32119
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32119

agtttcaaac caaatttcga gaagatccaa cggttaacga aggttgggca gcgcttttac 60
cgaaacagct catgtaactt ccttaagaag cttcattaag tggccttctc aagaagcttc 120
ctcgcgactt ctttgnacac ctttctcacg acgcttcttt gacaaccta 169

<210> 32120
<211> 370
<212> DNA
<213> Glycine max

<400> 32120
ggcatctaac aaatcttgaa gttgaacagc actttttaagt tttgtctgca cacaaaagat 60
cattaaatca agcaaaagag gtaaaaaaaaa aaaaaatcca gaagatcaaa taaaagtaga 120
caaatattac acaaacacta gaaaataata tcacctcagc tctaggtcgg cctccattgt 180
atttcaacat taggttttagc agcttttctc cagcaacttt tagcttcacc ttctgtttgg 240
gagctctatc accactgccg taacacgaga gtcaatggcc agaacaagat gcttaactaa 300
cttaagcgta aacggcgaca gaacatactg accaacaatca cgcactaccc cgttacctct 360
cagattgtcc 370

<210> 32121
<211> 247
<212> DNA
<213> Glycine max

<400> 32121

tgctttctat atcatgtggc gaagaccgcc acaaagttag ttgtattaac cgaaatagca 60
 ttgtgacaac aacaaagggg attttccaag gcccgaattt tttctctcct ccgtgtacgc 120
 ccctacaccc ttttccatga ttcacatcatc cttcaaactc aatattgaac gggccatagt 180
 gccagcattt gcaccatata tttacaaaac atcttcatca atattaccac ctgttgcccc 240
 cgcaccg 247

<210> 32122
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 32122

tgacatccac tccacaaggt ttgaagcaga ggacaccttc aatcctatta acgcaacgtg 60
 gcggacaaaa gtgggcaaata taactttgaa tgcgcattat tgtcaatgcg gaaggtatta 120
 tgcgcttcac tatccatggt cacatattat tgcagcttgt ggctacgtga gcctgaacta 180
 ctaccaatat atagat 196

<210> 32123
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 32123

cactcctcct acccccoggg cctcttcacc cccactgccc catccctctc cctcctcca 60
 cccgccttct tccccccct ccccgteccc cctcgcgccc ctccctcct cccctccgc 120
 cctccccccc ccccgccctc cccccccctc gcggtgcccg ggaccccccc cccctcccc 180
 ccccccccg caccctctc tccgccttc ccccc 216

<210> 32124
 <211> 77
 <212> DNA
 <213> Glycine max

<400> 32124

tttctttgga ctttatgagt ggcaagttga ggtctaagtg gattggctct ttcgctgcta 60
 ctaatgcttt tccttat 77

<210> 32125
<211> 209
<212> DNA
<213> Glycine max

<400> 32125

ttctgataaa tcaaaagatg taactcttca aaaaggttct gactctctta aatggttttt 60
aagtttttct acaagttata actcttctga aggggcttct tgaccagaca tggagagtct 120
ataaaagcaa ggctttatct acattcaaaa aaaaatcttg aatacttttg cttttcaatc 180
aatccttaca agcttgaaac tcttgaact 209

<210> 32126
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32126

tgnttanatt atcgaaattg cctaaatcat tggcaaatat gcatgtgaat taggaagcat 60
cgacaagaat caagccaagg ctattatgca agcaagcaat ggggccaaac acaccaaag 120
attatgatga tggatggctc gaatcctcac aaagggaaac ttatcacttt caaaactatc 180
atgacatgca aaggaaaaa 199

<210> 32127
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32127

aaactgttta cacataagct gcaactattg aaatttgaaa tcttaacatt ntaaaacact 60
agtaatcgat tactaccttc tggcgatcga ttactagaga gcaacaccct ttggcaacga 120
tcttgcaca ccccccgctg ctaccccttg ctatcgaaca ctttttcaag ccttacactg 180
cgccaccct cccctcgac cctccctccc ctccaccca ctccaacgcc ccccccgcg 240
ccctccccc gaacacctac cctccgtccc cccactccc gctactcttc gcccgccctc 300
caccaccct cgtctacccc accctctccc cccctcccc ctgcacaccg cgccactccc 360

cccccgccc tcccccccc tctcactcc cgccaccccc ctccccctct tccaccccg 420
ccacccccctc cctccccccc ctgcaccccc ccc 453

<210> 32128
<211> 402
<212> DNA
<213> Glycine max

<400> 32128

agcttatata agtttacata ttcaaattta tgtgaaaata gaatttaatc ttatatatta 60
tattctacag ataatatata agagtataaa aatataataa attaaaaaag aataaaacttt 120
gaattttgaa ctatttttgc atacaattta tattaatact atatttttga ctaaatatcc 180
aaatgggtcac atgggttgaaa tgataaaaaga gtatgtcatt cactccaagg actgtgggttc 240
caatccttcc aagcattttt ttaaacttct tattttcttaa gacaatattg gtcaattctt 300
tagtgtaatc aatattttaa atttaacacg aaatgattaa tcaacagaat tctacaatta 360
tgtcttaatt taacatatcc attaaccaag atacaataat ga 402

<210> 32129
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32129

aataagtaac atatgtatgg gaaaacacat acaggaaatg gatatttctc accatacaaa 60
cgaaaaaaaa acataagtta ttgtccaaac ccataaatca caccaaacca acacaatcaa 120
agaaaaacac aaccaaataa aattaaaaca aataatgaaa aaaaaattaa ggaaaatgaa 180
gaagtgggta tggtgagaaa tgatagaaga ctgacacata tgtgtcctcg ccaattagct 240
ccaacttctc gaaacaaatg atgtttcttt aaccccacaa aggagactcg ttcacgttga 300
gttgcccagg ggttgccata gccattactc ctctcgcaa atcctagagg ctcttcttct 360
gcccttaana aacaccgaag ccgaagagta tcgaaagagg atcttttgca tcaagtgatc 420
gaaggagaaa ggcgttgagt taaaaacat gcatgtacac gttacaatgt ttcgaagata 480
cataacactt gatacgaang agactacatt aattgga 517

<210> 32130
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 32130

agctttattc tgctcgattg ctccagggtg ctgcatggaa gggcaaagggt ctgtatgggtg 60
 gtcaccagag gagcaçaaac cacaaaccct tgcaacagggt acagatttct gattcaaggc 120
 cagctggggtt acgaagttaa ccaatgcatc cagtttgctt tcaagcttct tagtctcaca 180
 tgatgcacct gagtttgtat ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggccctaaac tgctgacagt tgcaagccat cttctcaatc aaattttctgg cttcagcagg 300
 agtcatgtct ccaatggctc caccactggc agcatctatc atactttctct gcatattact 360
 gagtccttca taaaaatatt ggagaagaag ttgctctg 398

<210> 32131
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32131

aaatctgcac ctgtcgcaag actctatgggt ttatgctcct ctgacgacca ctatatagac 60
 ctttgccctt ctgtgcagca atcttgagca attgaacagc ctttaagctta tgttgcaaac 120
 atctacaata gacctcctca accttagcag caaaatcaac cacagcagaa caattatgac 180
 ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcaa atgggtctagc 240
 cctcaacaac aacaacagca gctgtctctt tctttccaaa atgctgctgg tccaagtaga 300
 ccatacattt ctctccagt gcaacaacaa caacaacatc aacagagaca acaatccact 360
 actganggcc ctctcaacc ttcatgggaa gaattagtga ggcacatgac aatatagaac 420
 at 422

<210> 32132
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 32132

agcttgacta ttctcgaccc accccgggca tagtcgggtca gtgagaacct gtgatgtacc 60
 taaacaggca agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag 120
 gcttggtgtg gctggccagc tgtgaatatt gtgtgatatg tggattatgg cctctggtaa 180
 tcgattacca acggtgggta atcgattaca aggccttaaaa atgaagacag gaggctaaga 240
 tggctctctg taatcgatta ccaaggggtg taatcgatta ccaggcttga aaacgaagtc 300
 aggaaactaa ggaagcctct ggtaatcgat taccagcctg tgtaatcgat tacacagagg 360
 aatgggtcac tggtaatcga ttaccaggta tgtgtaatc 399

<210> 32133
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32133

cctctcataa ctaagctcac ctcccttgaga agcttcctta agaagattcc taaagaagct 60
 agagcttagc tacacgtacc tctctaatag ctaagctcac ctcccttgaga tgagaagcta 120
 gaacttagct acacaccccc tataatagct aagctcacc ccatgacaaa aaaacatgaa 180
 aatacaaaaa aaagtcctta ctacaaagac tactcaaaat gccccgaaat acaaggctaa 240
 aaccctatac tactagatgg ccaaaatata aggcccaaac gaaggaaaaa cctattctaa 300
 tatttataaaa gataagcggg cttataacttg gcccatgggc tcgaaatcta ccctaaggct 360
 catgagaacc ctagggcctt cccttggatc tctagcccaa tctacttggga gtctttctacc 420
 caatgccctt gcgggatagg attgcatcat aacgtatcta ccatanatgc gatcatcntc 480
 cttttcatca tgggcgggtac gacttgggct gcgagaatct ctcatcttnt tgcatatctc 540
 t 541

<210> 32134
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32134

agcttatttt atcatgacaa tttgtgtttg catgatagtg taaaaaccct atatacaatc 60

aatgcatgca gtatttgctc tctaataata atctatacaa acattgatag aattcagtaa 120
gacaaaaagc atgactcaca aatgaaagtg ttggcataac tgtgtgcaca tcctacagcc 180
acagccacct cacctacatg aacaattcac agccgtacaa tctatcaa at acaacaacca 240
gttcacaaaa cataaacaac aactgattgg aattaaagta tcaaaatcag gttatcaatt 300
gttcgacaca tccaaaccct atgaacaaca acaacaacac gaagccacct ccattcatac 360
atcatataat agctaanaat tccaagggtta agcagaaaca c 401

<210> 32135
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32135

atcctaagcc caaataactaa gatacaccat aactaacaac tgttctttga tgaaaaatat 60
cataatgttc acacacatct cttagatggg ccatgcctca taatgatgta gtcaaattaa 120
atgtagatga cagctgcatt aatgggggaa agcttggaag agatgtaatt agatcaagta 180
atggtgattg gtttgatgac ttcacagctt tctatgacca aggtgacatt cttttagcag 240
aatttcttgc tacaagagac aggctcaata tttgcttgga taatgggttg caagggtgttg 300
atatgcgagt tggattcttt ggatgcctgc aaactcacat ttatgactnt ggcagtacaa 360
tagacctaca tcaataggac ccacatcatt acgctgaagt tctttacgac atcagcagta 420
tcattcctaa togatggaaa gtggatcatca tgcanatggt catcatgcat accccttang 480
agaataataa ttgtgctcga ctacatggct anacttgagg t 521

<210> 32136
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32136

agctttgatt ttcatacatt actttacatg cacatgcatg agtcattaat gaatgctcaa 60
agctgtctgg attgaattgg cctaattntt ttgctaaact tgctgcacta ngatgggtac 120
attgcacatg aattgctata caatatcaaa ttctttcttt caaagtaata cacactgagt 180

tgtgattttt attanttgtg tggtaacaca tacaattaat aaaaaccaca cacaattgat 240
tgaattcttg gtcgtcatatc ttgggataac taaaataata tgggtgtttt tcatgcaaaa 300
taatttttat gctaaatatt agttggatgt gcctttgtag gcgatggctc taaagctctt 360
tgctataagg gctaagaacg ccaccacagg ggagggatct aatg 404

<210> 32137
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32137

ctgagagaat ttgctgtgtg aagatctgca gagaccacag cttgaagagg aagccgtcct 60
gagagcttga gatgagtttg tgagtgatta tgaggtccta gaggtggagg agacatcccc 120
actacttgta tttctgcaat ctttcatctt tctcttctct ttgttgtaaa ggaagctaag 180
ctttccagtt atggaaagct aaatcctctg ttggatcttc cttgtaggta cttgatgtaa 240
atatcttttt tatctattta atgatgtttt gtgtgttcac tgtgctatca gaacttcatt 300
ctaccatgca ttgccttgat catgtagatg catgtgtttt taggatcatt caacagtggg 360
aactggtctg attcttaca cttgatagga tagggctagt ntgtcatat 409

<210> 32138
<211> 197
<212> DNA
<213> Glycine max
<400> 32138

aaatgaggta ctgaaacagc aatttccata tcataaggtt ctttcattat acatgcactg 60
cgaacttaaa aaacaacgtt gaattaacta tcatactgc gccaaacttc tgtcttgatt 120
ctccgatcta aaaaatctat attagcaatt tctctaata tctaacattt attgctggat 180
tattgaggcg taaaact 197

<210> 32139
<211> 113
<212> DNA
<213> Glycine max

[illegible]

<210>	32140
<211>	400
<212>	DNA
<213>	Glycine max

tgcttatttt	cttcgtaaaa	tattatagtg	tcaatggcaa	tcattttcaa	aattatttcc	60
aggttgggtg	gcgggtatag	ataagcatca	gcggcaatgc	atatcacgag	ccaattgttt	120
ttttttttgc	tggaaattaa	gagataataa	accaattata	tatatagcag	gcttattgta	180
taactttaaa	atgtttgtct	gataatcacg	atcaggataa	gatcaatata	ataaaaatca	240
aatcaaata	tagaatgtaa	tataacaaaa	tggcttggtc	tttgtaaaag	gaaaacataa	300
tctttaaaaa	aagttagatg	aaaaaaaaaa	gcaaaaaaac	tctactcttg	gaccttggtc	360
ctcattctca	tttctnnccc	tctatttgta	gagacatatg			400

<210>	32141
<211>	446
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      32141
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13401

<210> 32142
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 32142

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ttcttataca tatttttact acggaagaag tgcaataaaa gggaaaacaa gtatcccctt   60
gccgagtgaa gtatattggc atcgactcct ttcacggatg cactcgggaag aaatgaccat  120
taaaatcctt ataagaggta ctataagggc caataacgac tctcctgaaa ataccagtaa  180
gagaaatcca accacccttg ttattttctt taacatttta gtggtggagg aataaatgag  240
caagagttat gaaataactca tcacacgaaa ccctaaaggc acagatgcc actcaggcat  300
tcaaatgcaa ctcggtgagg gtgacattca gctctcgacc aacgtccacc cgaaactttt  360
caaaagggac aataaggtga aaagtacaaa                                390
  
```

<210> 32143
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 32143

```

gggaatcttg gaacccaaac cattcttggg aagggttcaa gattgcaatc tcccaaaggt   60
ttcaagcgtc taacctaggg aatcctttca ggcattgctg gcactggaac aagaagaaac  120
agtgaagaa ttcataggcc aattcgagaa gcacatcgga atggtgaagg gattggagga  180
accatttttg gtggagttgt ttctcaaggg gctaaaagaa gagatcaaca ctgacgtaag  240
gctccatgaa ccaaaaaact tgatggaatc tatggtcaag gttttagggg tggaagataa  300
gaatcgaatc ttacgaaagt taccagagt aattgtaagg cgtataattt tcagaaacct  360
agttattcgg gtgagagatt ggaagggatt gcaaccagcc atagtaagga gctgacctat  420
aattcggtaa acaagatcca ggatggaagg agaagacctt cataattgca cc          472
  
```

<210> 32144
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32144

tagctttact ttagattcta gcaatgaccc actaacctag aattaaaata acttaatgcc 60
 attaacctaa ggaattaaaa caaactaaat ggctgagtgt aactgaaatt gttggcaacc 120
 aaaagtcacc cccaacagcc aacaagtcag ccaccatttg gtctcccaa aggctgatgc 180
 ctaggttgcc aattggggccc ttattacaac ttgaactaaa gcccttttag ttgattaacc 240
 caaaacatat ttttagtcag ccaactttac aaggattggg ccattattta cacaaactaa 300
 aactctaaa attgaaataa agtgggtgtca tttagtcctc catttggggc atgatacaac 360
 tcacaacctt ggacttttct tcttgaaact t 391

<210> 32145
 <211> 326
 <212> DNA
 <213> Glycine max
 <400> 32145

cgagagctac cattgttcat tttcaagggt ctctatttat aatgcccctg agtctgacct 60
 ccgcgggaaa aggtgtgacc attggacttt ctagagagct acgttggtta attttcaagc 120
 gtcgctatat ataatgcccc tgagtctgac ctccgaggta aaaggatga ccattggaat 180
 tgctcaagag ctaccgtggt tcattttcaa gcatcgctat atataatgcg cttgagtctg 240
 acttccgagt gaaagggttat aaccatgcga attgctcaag agctcgcttt gtacagttcc 300
 gagcgtgttg ttatattatg cgcttg 326

<210> 32146
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32146

ttgtttatct tttccttcaa catacattgt tgtaacttta ttggttgat aaggaagtgt 60
 caacatgaga aaatgggtcat atttgcttag ccaatcaacc accaccatga tagcattttt 120
 cccttgatgat gttggcaacc ctcactaaa gtcaatggta acatcctccc acccttgatc 180
 tggaattgca agaggttgta tcaaaccaac tggettctgg gtttcatatt tatttactta 240
 ngaaggcaat tgaatgttta tcttgnagga gcaccgcacc tatcacaata tcacttgcac 300
 ctgtttttac agtgaatggg caagaaaatt tgacatgaca aatgttggtg tagacatcat 360

agttgtcttt aactcttcaa aagccttgga agatgactct atccaag 407

<210> 32147
<211> 399
<212> DNA
<213> Glycine max

<400> 32147

ctttccattc accacataca cactcccaat ttgactttta aagagaataa caagactata 60
tttatactgt cagcttcata cagaataaat atgaacataa atctgttaga tagaaataaa 120
tgtgaaatat atatcttttt ttaaaaaaag aactaaccat cgcaatagtg tcttctacat 180
catccttggt tctgcctgcc agacgccttt ttaaggattc aagtgcactc ctaagcttct 240
tcaaaagaac atgtttttcc aatgatgctg cctctctaag tctagcctaa acttcaccag 300
catacaaaaa gctagttaaa acaggaacat caatctatta gttaaactatg aatataatca 360
ttgggttattt cagttgcaaa ccatttacia taagaatct 399

<210> 32148
<211> 398
<212> DNA
<213> Glycine max

<400> 32148

agcttgaaat atgtgttcca ttaaaaaaga aaaaagtttg taatatgtga ttcttttgtt 60
atggtaatta ataataagta tagaataatt ttacattttg ttactttat aattgatatg 120
catattatta atatgttaaa aaaatagtat taaatatcaa gtgatccata aattattatg 180
atgttacaaa aggattagta atatcatttt ataataatat taaataaaaag taaaataata 240
ttttaattaa aatatcttac aaattagtaa aaataaaaatt attttaaaaa taatatagca 300
ttattatgta aatttaattg ataaatttta aattatcata atagattaga ctaacagaaa 360
aaactgtcaa acaaaacaaa acgaaacagt acaaatta 398

<210> 32149
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32149

aaacatggta ccagcttgag agttaatcaa aaaattaatg atgcatcttt gtttccgata 60

agtccatgca tcggacataa tagtacaacc atacttgacc cattgctccc tatggccttt 120

catcaaattt tcagtatatatt caacttcctt cttcaagagt ggaactctga tgtcatgata 180

gctaggaatg ggcaaatgtg gcccatattg accaatggct gcaaccatgt tctcaaagct 240

tttcaattta atgaggttga atgacaaaacc tgcttggtag caaaagcgag caatatgttg 300

atgcaccttc aatacttcat tcttatccat tgactctctt atgttcattt gcctcagcat 360

ctccattttt ctccgatnga ttgcattntc tggattctta cagaatntgt ccattgggtcc 420

tttttttagtc ccacactttg tctttgcact tgcagcagca ttacaagagt ccgcanactc 480

atctttcttca cttccatcac a 501

<210> 32150

<211> 397

<212> DNA

<213> Glycine max

<400> 32150

agcttggaag gtagtcatac ctcacaaaat gtatatatat gtgtatgttt aggtagaaag 60

ataccttgga tatgcatgta tgtagcaaaa aaatacttca caaaatatat atatatgtat 120

gtttaggtag aaagatacct tgaatatgca tgtatgtagc aaaaataactt cacaaaatat 180

atatatgtat gattaggtag caagatacct tggatatgca tgtatatagc aaaaatatct 240

caaaaaacat atatatgtat gtttagatat gcatatatat ataataaagg ttgtctagct 300

aaaaaaacaa catgcttttg aaaagagatg acttccaact cttctttgaa aaaatttgct 360

gatcataact agttcttgaa agaatgtgta tacacct 397

<210> 32151

<211> 526

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32151

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ggccatcaag ggatgggtcgt ttctccggga gcgacgcgtc cagctcaggg acgacgagta 120

tactgatttc caggaggaaa tagggcgccg gcggtgggca tcaactggta ctcccatggc 180
 caagtttgat ccagaaatag tccttgagtt ttatgccaat gcttggccaa cagaggaggg 240
 cgtgcgtgac atgagatcct gngtaagggg tcagtggatc ccgtttgatg ccgacgctat 300
 cggccaactc ctaggatatc cgttggtggt ggaagagggc caggaatgtg agtatggcca 360
 gaggaggaac cggctctgacg ggttcgatga ggaggccatc gcccagctgc tatgtatacc 420
 gggacaggat tntgcccga ctgctgcang gaggcgagtg cgaatcatgc gcaccaacat 480
 gaccacnctg acccagatat ggatgaaggg tgctctcagc aacatc 526

<210> 32152
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32152

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 gtggatggcg cctcctctca aagagcttaa gggaagtagt aatgggatca tcggcggcta 120
 tcgtaaagtg gctaagagtc cgcacacaag gcttggactg gctcccaaag ccaagggcta 180
 tgagagagga agaggccgaa gctccagaaa agagtgagga ggtacaagcc ttanaggcag 240
 agcttgagaa ggcttaagca gtcaaggaga agttcaagtc aacaaccatc aaagtccaaa 300
 aggagtatga tgaactgaag gacattaaca tggccaccac cgaagccttg gaacaggaaa 360
 ccaagagggc ccggaaggaa gaacatggcc aaaacaagtt ccgagga 407

<210> 32153
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32153

tgtgttttgt atattttctat tctcgtttca tttacttttt ataccccctc ttgacgtgct 60
 taagccatth tacttaagtc atttctcgct taacctaaaa ataaaataaa tttctaccga 120
 tcgtttgaat tgtattatcc gttaacttcg gttaaaatga attccaaccg ttcggtcgtg 180
 ccataaccac gttggaaatc aaaaaagagg taaataataa tataataatc aaaataacat 240

cttttaggta aaataaagcg gaaaatcaat cggacatfff ctctttggga tttctcattc 300
 ttaaccgaat tgactaataa ctaaagtcaa actaaggcta aaatcaactc gcctagtcaa 360
 gctcgtccat aaaaataggt tttttgaagt ttgtcatttc aattttcttac taagtaaattg 420
 gatcgttntt caagggtcaa cgccttanaa tgatcacctt anataanaag aatcacttga 480
 taagaaagaa ctacgt 496

<210> 32154
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 32154

agctttctat tttcagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60
 acaatagcat aattttcttgc actgaattgt gagttggaaa ccatcttctc aatcaaattc 120
 ctagcctcag caaggggtcat atcaccaaga gctccaccat tggcaacatc aatcatactc 180
 ctctccatgt tgctaagtcc cttatagaaa tattgaagaa ggagttgctc aaaaatctag 240
 tgggtgaggaa agcttgcaca taattttcttg aatctttccc agtactcata caagttttct 300
 ccactaagtt gcctgatgcc tgaaatgtct tttctgatgg cagtggctct agatgtaggg 360
 aagaatttct ccaagaacac cctcttaagg tcatcccagc ta 402

<210> 32155
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32155

atcgattaca agatattgggt aatcgattac cagtgtatct gaacgttgaa attcaaaatc 60
 aattgtgaag agtcatatcc tttcataaaa agcttttgtt aatcgattac atggtttttg 120
 taattgatta ccagtgacaa gttttgaata aaaatcaaaa gatataattc ttccaatggg 180
 tttcaggttt ttctaggtgg caaccacctc ctccgttttg tttaaaaatg ggcttccggg 240
 acaccgtaa tgctttcgta aaattcccat aatcctaaat aagcatatct catttaaaac 300
 ggggtgagaag gaagagaaaa aagaataaaa tcaagttcta taggcttccg taacttttcc 360

gtanattacg aaagaaggag ggtgaactta tcanaatagg ggggtgcaa at agcaat 416

<210> 32156
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 32156

agctttgttt attggtcttc accgcgaaag gatcgaattg ggtctgaaaa gaggaaaatt 60
 taaatcatcc tgcttggacg aatgagaaaa ctggggcaaa tgaaaagggt gagaatgaaa 120
 gagaaacca tgttgogaat gtcattccta catggccaaa cttcccacca gcccaacaat 180
 gtcattactc aaccaatatc agctcttctc attaccacc acccagtcac ccacaaaggc 240
 cattcctaaa tcaattacaa cgctgtcta ccgcacgccc aatgccccaa caccaccttt 300
 agcgaaaacc aaaaaggaat ttgcagcac aaagcctgta ggattcaccc cacattccgg 360
 tgtcatatgc taaccttgct ccatatctac tcgataatgc aatgg 405

<210> 32157
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32157

caccaaccaa gaaatgaatt ttgcagcgaa aagcctgtag gattcacccc aaattccggc 60
 gtcatatgct aacttgctcc catatctact tgataatgca atggtagcca taaccctgc 120
 taggttcctt caaaccccca tttttctgag gatatgactc gaacgcaaca tgtgcatatc 180
 gtggagggcc ctgcggcatt ccattgagca ctgtatgacc ctcaagcgta aggtgtaagg 240
 tctaattgat gcgggctggc tgaaatttga ggagaatcgc gtgtaaatcc tgacattgac 300
 aagagatgcc acacatgggg caattntgaa agctgttggt agatgtctct aatgactcat 360
 caggattttc aggtgcgagc cattggtttg tttgctcgag cgacatgcgc tcctgagtgc 420
 tgacttccaa gaccgttcaa tcagagatta ctgcgc 456

<210> 32158
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32158

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agcttggtatt taaatggacc aaaaccttat gatcagttct tganagtctg attagtctgt    60
gtagtctgt tactagcagt caagttaatt agaaaataac tgacaggcaa ctgtgttagt    120
ctgttacaag cagtcaaact caacaactaa gacatcttca cccattttgt gatcagtttt    180
tgacatacct taatgttaag tctgattaca tattattaat aatattcatt tttgcattta    240
aagaaaacaa atcaacaccc gtttttgacc aaaacctttc accaccatag caatgaaaaa    300
agtatactaa aatttagtgc cactagcaaa gtaaaggagg gtacgttgaa naggtacaac    360
aaaattacaa atttacaatg aagtaagtaa tttatcctct                                400
```

<210> 32159
<211> 443
<212> DNA
<213> Glycine max

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<400> 32159
acaacagatc ttaattagga ccatttcgat gaaattgact cattacaact atgactttaa    60
caatgatgat tataaaaggt gcatgcatgt tatgttgcgt gtgaatctag tttaagacca    120
tgcaataatg caaacaagta tacatttcaa ctaaaatgct accatgaaat gtttataagc    180
caattaagaa aatgcaagct caccaattgc atcaacagtg gtttttccat tggaaaacct    240
tccagaaggt ccaccaggga agtcaatccc ataaggcaag taatcagccc tagccaaaga    300
ttggagctgg ttgttgttcc cattatcaac caaagaatca ccaaaaatga agtagcatgg    360
aacttgtggc gcaccttgaa caccacccca caagccaaga gaaacaacaa caactatgag    420
tgccaacatg cttattgtga gat                                                443
```

<210> 32160
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32160

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agctttgttg ctgaaaaatt atataacagc accaagggtc tagtttagcc ctctcctctc    60
ttctctctcc cctattttcg ttttctagtt ttaggctttt tctttgagac attttttcgt    120
```

tttgaattc cagcaacaat aaaatttcgt tcttcaattt ataagttcgt tatctattga 180
 ttaatggaag gctaagtcgc cagcgttgct ttctcttgag gatcaagcgc ggntctcttt 240
 gagttctatt attactgtta aattctgttc agtttttctt cttcactaat tactctaaat 300
 ttggtgctat taattcatgc atgcttagtg cttgattaat tgtctctgcg cttaatttac 360
 gttcatgctt aatgatcggt tatgagtaat tgggtgtat 398

<210> 32161
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 32161

gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 60
 cttccttaag aagattcgta aagaagctag agcttagcta cacatacctc tctaatagct 120
 aagctcacct ccttgagatg agaagctaga gcttagctac acaccccta taatagctaa 180
 gctcaccccc atgacaaaaa acatgaaaat aaaaaaagt ccttattaca aagacaactc 240
 aaaatgcccc gaaatacaag gctaaaacc tatactacta gaatggccaa aatacaaggc 300
 ctagatgaag gaaaaaccta ttctaattt taaaaagata agcgggctca tacttagccc 360
 atgggctcga aatctaccct aaggctcatg agaaccctag ggcctttctt tggatctcta 420
 gcccaatcta cttggagtct tct 443

<210> 32162
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32162

ttgcttcttg cgtagccgct cttggtgctc agaaaatccc aaaaacaaat cctcttatt 60
 actagctatt ttgaattctt tagttctga atgtacaacc ttcaaattgt tgcttggtcc 120
 cctctttctg ttctgcaaaa aagaaaatca aatgttgctc aaacattgat gaagtctaa 180
 gaaaatcaat atcaaagaaa acatggatga aatcacaatt aaaaagcaca actacctatc 240
 tttcaaagtc ctttggttaa tttgttttgt cttcttatgt ggcggggctt tgtttaataa 300

tcttatactt ttgccttcca aaacaaacta atcactaatc ctctnttcat taatccaatt 360
ctgtatgtca ttgtataaaa gatcatg 387

<210> 32163
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32163

tccctcttat tactagctat tttgaattct ttagttccta aatgtacaac cttcaaattg 60
ttgcttggtc ccctctttgg tttgtgcaga gtagaaaatc aatatcaaag aaaacatgga 120
gagaattgtc atggttatta ttactcgaac ctgaaggaat aacatctaaa caagtcattt 180
tatncttaga aggggaaaac tctgcatatt tatggaaaac atgggggtatg gaggcaagta 240
agcatgtgaa taccacaagt cattttctcc aattcaaggg cttgattaat tgctctagga 300
aaaaagcata catctggtat attgtttggg ttgcagctgt ttggagcatt tggcagaaca 360
gaaatttcgg ttacgttgg gttgaccatg ttactgggt aacctattgt cacttatact 420
cttatntatg cttgaagata acacctatca gtagatgctc atattagtcc ttgagatagt 480
aagtattaat aattgctnta gcttctgact ttgtacatgc ttttttagttg atactaatat 540

<210> 32164
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32164

agcttcaatg ttaatgncac atcacataac ggcaaaaacc atatcacatt atggacatct 60
tgcgatggta ttgtaagcga catccttggc cagagtgggt ctgattggga tggcactaac 120
cacatgatca ccagcgagaa tgaaaatgct tggaatgaat attgcattgc aattcttctt 180
taatatattg ctatctgcta ttcaaagcac actgcatcag actgtctctt tttctttcta 240
ctcgcatccc tcacctaaac tgttt 265

<210> 32165
<211> 527
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32165

aataaagcaa gttattgaca cagcttctcc ccaaaaatac ttaggcaatt tcttgccctt 60
 taacatgctt ctcaccatgt tcatgatagt tctgttccct ctttcagcca ccccatgtgt 120
 ttggggtgta taaggagtag gtacttcatg aagcatccct tcatcacaat tatttttgaa 180
 agtcatgtga agtatattca gctccacatc tgtccttata accttaatta cctttccact 240
 ttgtttttca cacatcaatt tagacttctt aaaaacaaac aacacttcac tctttctttt 300
 taatagataa atctacatca tccttgtagt ttcacatg aaggatacga agtacctgtt 360
 acctccaaga gactggatct canaggggcc acacacatct tatttgatag tgagagttag 420
 agagacattt tagagagaan aactgatatc atttcattct aaaaagttag ttacaaagag 480
 gtatatatag acctctaaac ctctgaacta agcanacaga aacaacc 527

<210> 32166

<211> 394

<212> DNA

<213> Glycine max

<400> 32166

agctttccaa actggtctgt ttaaagttac aacattgcaa gcagttgaaa tatttccttg 60
 agtcccttt gcggattggc ttcgtaactg attcatcgta ttgttacta agagaagcag 120
 gattatacat ttttaacagt ataaatatat tcattaatta catatttaaa tgtttttatt 180
 ttaaatttta tttttataaa attaaaattt agtatgtgca atgcatggac taaaatgata 240
 gtttctatgc aatctctatt aaattaaatc ataaaacaat ttggaccagt aattattatt 300
 acattaaatt aattagtaag tatttgccaa tttttaatta aaggtatatt catttttttt 360
 tctacacggc ttattcaatt cgaattctaa aaat 394

<210> 32167

<211> 497

<212> DNA

<213> Glycine max

<400> 32167

ttaagaatga tttgttagat aattatgttt ataattattgt cttttaggac ttgtgtttga 60

attacttttg gttatattta aatgttttga tgatttaaga gtgaattttt aatttagctg 120
cagtattttt tttaaaacaa tacttccttc actactacaa aagagggttca aagacgggta 180
taacaccctt tccatgacgg ttttgaaccg tctttgaaat cactgtcgtg gcaaataaac 240
acttttcacg atgattttta aatcgtctta gaatcttgaa ttttatatta gttttcatag 300
aaaccatttt tgaatgtctt tttttaattt cctttacaaa tgtaaaaaaa ataaaggatt 360
tgaagacagt tgtctaaaaa attgtcttag aaagtcactt tctaggataa ttctctagag 420
aaccgtctta gaaagtacag tttttaagat ggttattttg acaaccgtat agaaactcta 480
ctttataaga agagttt 497

<210> 32168
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32168

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agccacttga cgaaaaaagg ggtcgcactt ctaattcttt atgttttaggt gagttgagag 120
agtgagtga cagtgcggcg tggaccaaag atcatggagt tttattgtcc aacggattat 180
aagattttgc acatctaata ggtattaagg gattttatga caataagcta attaacatac 240
gtaatcatgt acgttaccta catcaccatg taatctanat caatcatgca caatgttaat 300
ttacacagcg tgaatttata ttgcctaata cttcatagcg cacaaattaa attctaata 360
aacttacact ctactaact 379

<210> 32169
<211> 531
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32169

agagggggga gcacgacatt gaaggaagaa aaaaagggag agaagttgaa ctttgagttg 60
tgtctcccaa gactctcatt catcaaagtt accacaagtg ttacacatgc ttctatttat 120
agactaggta gcttccttga gaagttttct tgagaaaact tccttgagaa gcttctttga 180

gaaaacttcc ttgagaagct agagcttagc tacacacacc cctctcataa ctaagctcac 240
ctccttgaga agcttcctta agaagattcc taaagaagct agagcttagc tacacatacc 300
tctctaatag ctaagctcac ctccttgaga tgagaagcta gaacttagct acacaccccc 360
tataatagct aagctcacc cttatgacaaa gaacatgaaa atacanacaa agtccttact 420
acaaagacta ctcanaatgc cccgaatata aggctaagac cctatactac tagatggcca 480
catacaaggc ccaatccaat tcgcttttctt tttcgancac gagcagtgac c 531

<210> 32170
<211> 404
<212> DNA
<213> Glycine max

<400> 32170

ttgcttttatt tatgaattat tggtagaaag agggcattca cttgtcagaa atgagagtga 60
aaaaggggaag gagaaagtct ggaataaggt agaattgagt ggatattgga ttacgtgaga 120
gaaaacgggt ccttgaagaa catgtttcat ttggatttac ctogtgtttt tttcccagat 180
cagagaatga ggcttgcata atttagtgtg catcagatac attttaccaa attatggagt 240
gtcttaaaaa tagtatatta gaatgtatcg ttagcatttc tcttactggt ttaaccagga 300
acagcaatac acctttagct atttctctta ctgttttaac caggaacagc aatacacctt 360
tagcgataat attattcttc tgctctaagg acaaaaataa ttat 404

<210> 32171
<211> 555
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32171

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aggettccaa ggaaccttag aacttcatca tcaagccatc actccaagca caaccctatt 120
cggcgctcgag gaaagaatca tccacttaag gaaggatttc cccttattac cttggaaggg 180
aaacacttgg ggtaaaaggc gaggtagggc ctatttgttg gggaataaat gtgtatgccc 240
aagatctaatt ccatcatggt atcaatttta gtaaaatatt gttctttatt ttattatcat 300

atttattgat ttattaaatt gtcaatttga caagactttg attaaaatta gagacttgct 360
atcatgataa agattatgat aatgaacaac aagtccttta taattntaat ctaaattggg 420
tttactcata cgaatattgt gaatacgaca tcaataattc ggcataatca atatatatat 480
atatatatat atatatatat atatatatat atatatatat ggcaggggct ttattggata 540
caacatagta gatcc 555

<210> 32172
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32172

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ggtttccttt ccttgttntg aagctcacta caagccttaa gtgaaaaacc atgatattac 120
catatcctta aggaattttg gagctttgga attgttttgg gaataagtgt gggggggttt 180
tgtttcattg gacaacttgt tttgttggct atgcttcatg atgtattttg ggccatactt 240
gatgtacatt gtatattggg taaatgttgg acatgctgaa tgaaatgttg tttctcacag 300
gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttcgaacaaa aaaaaaacaa aaaaaaagc 360
aataaagttg agtgaataag atctttaat 389

<210> 32173
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32173

gagacatttt tttttaatcc tcccccaaat taggagcata tcataactaa gatctttatg 60
ctctcttaaa ccctagaaaa aggtaggaga taattaaagt aggcctaagg gttttacaaa 120
aaaacacgat taccattttt ggctcaaata aggagcaagg gataaactat tatcaaaggt 180
tggcnttttg gctaagtggc taaaataaaa agaaacatgg ccttgatcat atccacctta 240
tgcaaataat ctaacagtct aagaatgata caaaattagg aatntaaaaa caaacgttct 300
ctcataatta agttcacaca gtcaccggg acaagataaa gttattggct taccggacca 360

tgatctcttt ccatcaagct aaccttttct ctctttgtga ttcattgttc actgggttgac 420
 tgactcttgc ttccaagaaa ccagtatttt cacaattggg tatgcagcat tcaagtgttg 480
 aatcct 486

<210> 32174
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32174

tagctttctc ggggccattc ctgcgaaggc aaacatttgg aaagttagtt cttaccaaca 60
 aatgctaccc ttanaacaaa aatggcatac acaccccttc aataaataca aacatcaatg 120
 taaatttaga gcaagcttat gcgcatactt cttcacgaac gttcacttgc acaagacatt 180
 cttataacta agacaaatgc acccatatac aatcaaggca ccttcgttac ctagattatn 240
 tacatgtacn ttccaggtgt atctggtacc tacatcacac acatttnctt tgcctaattc 300
 acatacatgc atactctaag cacttttctg ataaaaaatg catacgtgca catctttgta 360
 tttctaataa ctata 375

<210> 32175
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32175

acggcccaat aagcacggtg ctcaatctcc actggaaggt ggcatgcctt accaaaaacc 60
 atcctataag gagaaatcct caaaggtggt tggtaagcgg tctgtgagc ccatagagca 120
 tcttcaagta gctttctcta atcctttatg ttgggttgca ctaccttttg caacacttgc 180
 ttgatctctc tttgtgctgc tggggcatct catgcctata tgcaatagtc cctttcgctc 240
 tctaaaattg ctcacaagtg gtagaaaaat gatgagcatc tctaaaaatg gtggggccaat 300
 agaaccaca atccaatacc ttcttagtgg tctactgagg accaaaatga ctgcgggtag 360
 gtgtgccatg acaaaaactga naaatagatt gaatctcatg atttggcaca catctgcgga 420
 tcacttggtc actaccaaac cttgaaaaat aaggatcatc ccacacataa tcttttagcat 480

cactcttaag nttatct

497

<210> 32176
<211> 272
<212> DNA
<213> Glycine max

<400> 32176

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tggatgaaca tcctgtaagg cccaagtagc ccacgctgct attggcacc cctatgtact 120
aaatacacgc ctaccttaat tgatgattgt ttttatgacc tgatgtattc acatggtacg 180
tgcaagatgc gttaagagca taccacttat cgaaaagggg atggtagatc ttatcgggag 240
ttattacagc catcctgtcg gcgatgatgg ac 272

<210> 32177
<211> 334
<212> DNA
<213> Glycine max

<400> 32177

aatcatcaa atatcgagaa ggacaagtcc tccataacaa taacagcatg tccctccctt 60
gcacaatgct gctggctcta gcaagccata tgttcctgct ccaatgcac accgactgag 120
acaacacgct gctgaagccc ctaccttaacc ttacttagaa gagtcagtga ggcaaagtgt 180
catccagaat atgagatctc aacagcagac aagagcctgc attcagagtc tgacaaatca 240
gatggcgag atggctactc actcaaacca agctgagtc caaaattctg acaaactgcc 300
ttcacaact atgcagaatc tgaagaatgt gagt 334

<210> 32178
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32178

agcttggtgt ttatgcagac acgttaccat catgttgctg ngttggtttc attgcaacac 60
cgttttgttt ctgagcccga gggtcaaggg cccaagggtg cgtttctctt cattgcacgg 120
aacaggctcc ctttggaat gggttgngat gctttcttta gggtactttc ttttctcttt 180

tagttgttat tgatctctat atctttggga ttagtagtgt atgcaaata caatataaag 240
 agtttttacg ctgttatcca atcataatcc atatgataag tttgttgact tttacaatgg 300
 ttagtttacc aacaatgggt tctaattgat tgatattgta aatattttct acatttatag 360
 tgcgtaaaat taaactcaaa tatgcttgct tgtgtgtgtg tg 402

<210> 32179
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32179

actagatttt taccaataac catttgtatt ttggtgttat taaaagagta taatgggtcca 60
 tcagattcga attttgaact cttttccacc aatatgatta ttttatcaag actatcgtat 120
 ctttaaaaaa tccttatttt tttttttgtt caaaacttac tagacatgca atgaaaagtt 180
 ggatcgggcc gatgcagcca cgggtgaata cacgatccaa cacagaacaa cttgccactt 240
 gctccccctc acgacgctta accatgggtca acaattcatg ttcaagtccc taaccatgggt 300
 cacacgcca acctaacca accctttcat ttcccttcaa aattaatata caccttctga 360
 atcctataaa taaccacactt tcattcattg tagtttccct cttcttccct ctctttcggt 420
 cctccttttt ttcaactttt gcccccttta cgaagcgcgc cgtagtctc tgcgaccgca 480
 aatcngaac ccgaattgggt tcaatctccg agagagagag agagag 526

<210> 32180
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 32180

agctttgggt ttgttgactc gctccaatgg ctcatcatgt cttctattga acctttcttc 60
 atacgctcga agagaaccca tcaattgggtc tacgggtcatt gagtctaaat ccttagactc 120
 ttcaatagca caaacacat aatcaaattt agcgattaag gagcgaagga tcttttccac 180
 cacacgaaca tcttccatat tttctccata acgcttcatt tgggtcacia tagccaacac 240
 cttgttgcca aaatctgaga tagattcaga ttccttcata tgcaatgatt caaactctct 300

acgtagagtt tgtacgcgca ccttttttac cttatcaaca ccttcaaggg aggttttcac 360
aatctcccat gcttctttgg atgtggttgc atttgacacc aactcc 406

<210> 32181
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32181

tttttgtttg taaggattgt ttgaatgaat tggaaaagtg ttcaagattg gaatgattga 60
tttcaaatg caaaacaaag ccttgctttt atagactctt catgtctggt caagaaagcc 120
attcagaaga gttatatctt ttagaaaagc ttaaaaacca tttgaaagag tcaaaacctt 180
tttgaagagt tacatcttta gattttttcaa aaacaaacac tggtaatcga ttaccaaata 240
tgtgtaatcg attacacaaa gcttttgaat gaaacaatgt gactcttcac atttaaattt 300
gaatttgaac gttcaagggc aatggtaatc gattaccata acattgtaat cgattacagc 360
ctttagaaaa tatttggaac gttgtaaatt cagttggaaa acantttcaa actcattntg 420
ctactggtan atcgatacaa caatatggta atcgattact agagagtaaa actcctntggt 480
aagggtttgt caaaactcat 500

<210> 32182
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32182

agcttggttat ttagttnttg atgcagcaag tgagggaaaa caattcttaa ttgttggtac 60
aaaaaaaaa gcagcggatt cagtagcacg ggcttgaata agagctcggg gtcattatgt 120
taataaaaag tggctcggcg gtatgttaac gaattggtat actacagaaa cacgacttca 180
aaagttcagg gacttgagaa tgcaacaaaa gacgngaga ctcaatagtt ttccaaaaag 240
agatgccgct atattgaaga gacatttagc tcatttggaa acatatcttg gcggcattaa 300
atatatgacg gngttacctg atattgtaat aatcgtcgat caacaagaag aatatacggc 360
tcttcgagaa tgtataactn tggaaattcc aacaatttgt ttaat 405

<210> 32183
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32183

gatggatcctt atatatctat atatctatag atagatatat agatatagat atatagatat 60
agatcataca atgaagtacc gcacgagtgg gtatatagga atccaaatct gccgaatcac 120
tcatgttatg atcttctaca tccctaggtct tcccgttcct tcatctgggt tatgttcttc 180
atgtagcatt cagactgaat gactctatga aattacgtcg ctacttcac atggtacggg 240
taacgtagga gacatctcta tttttcccg gggaatcct tagaattacc acagcttagc 300
tntcaattcg cctctgacca tcaaataaaa tgtgaataac cgtcctccc ctctntgaaa 360
ctntgaaaca aagggtgctt ccggttctgt cgggtgcttga aacaattnta gtcttctcat 420
attactatat ctgagagtc acataattta tatgaggaac tactgaactc aatca 475

<210> 32184
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32184

agctttctcg tacctcaatc agcaatactg caactgaaga cgtattatta ttattatcat 60
caataaaaca tgaacacca cgaaaacata gcatacacga agttgacctc cgtacctcgc 120
ggagaaaagct ntgagctntg agcaccacg agtgtttcag caccctagta ccaagagtgt 180
atgtaaagtt tcttcgagcc acactttcaa gagcagtgtg ggggggttctg taggttcgag 240
cgagggggtt ccggcagtat tgaaaacaat gtgggacaat gtgggtgtcg agggagcggg 300
ttctggcaga tttcaggcgg gaggagaaag agaacagcga ctgcaagggt ttcgagcgca 360
cgggttggtga aatgccaatg ttntaactta taaacataac aacatc 406

<210> 32185
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32185

acgtcatgga agcgttacga aagcgtctcg gcttggattt tttccttctt tcgtcttttc 60
ctcactaatt ntaagtgaat tatgagtgcc aaagatgctt aacctttttt cctcagcccc 120
ttacaccatt ttatagcaaa aatgagggag gtgggttgccg cctagctcgc ccaggcgagc 180
taggtagctt cgcctgaag taacccttct ccaaaatatt ccagatgggc ccagggctag 240
gtacaccccc caaattgatt agttaccccc ttatTTTTTg tttttggctg atttcctttc 300
gaaacatcgc gaaactttat ggattacgcg acgatgagtg ttaagcatct caacttggtc 360
agcaaaggtc cgcattgtga caaaaaattg tcccctgatg aaattagggg atgacagttg 420
cccctctnnt acttatgttt attggagata aaagggaagt aaaggtaaga cactaatttc 480
gttcgagctt gaaactcacc cgaccgacca atagctcaat ca 522

<210> 32186
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32186

ttgcttgaag acttgtacat gaccaaatct ctggtaaatt gattcttgat cttgaaaaca 60
ttgttggttat tattgaggat gaagatcaag ccttactgtt attgtgtgat ctacttaaga 120
cctttgctca tttcaaagaa acacttctct atggaagaga ttctctcact cttgttgaag 180
tccaatcagc cttgaactct aagggattaa atgaaagaaa tgaacaaaga cttctgttac 240
acgngagag actcagctcg tggaagacaa tataagaagg atgataaggc agaagggaaa 300
agatccaagt cacaagctcg atctggatct aatgtaccaa acattagatg ttaccactat 360
aaaagagaag gccatactcg gagattntgt cctgatagac ac 402

<210> 32187
<211> 525
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32187

gatgatcgtg caaatggat agaattaaat gatttaataa aagttgggtc agtgggaagc 60

aaaatTTtag tgacaacacg gaggtagtca attgcttcaa tgggtgggcac tgtaccctct 120
 tatgtTTtag aaggtctgtc tgtggagaat tgTTTgtctc tgTTTgttaa atgggcattc 180
 aaggaaggtg aagaaaaaaa atacccaaat ctagtggata taggaaaaga aatggtgaaa 240
 aaatgccaaag gggttccact agctgttcga actTTtaggaa gttctctgtt cttgaatttt 300
 gatttagaaa gatgggaatt tgtaagagac catgagatct ggaacttaaa ccaaagaaa 360
 gatgacattn tacctgccct taagttgagc tatgatcaaa tgccatctta tttgangcag 420
 tgTTctgctt atTTTccct cTTTtccaa ggatttggcc acattggTtc tcanTTTgtg 480
 agtctTTgcn gatcatttgg attacttcga tcttcctctg gaagt 525

<210> 32188
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32188

ttgctTTTgt ttcagagttg cTTTtgaaga tggcaagcaa gaagacactc tgcccaaagt 60
 gggTcaaggt cacttgatga tTTtcagtga gcccataaaa atatctaagt tctgtccaac 120
 caactagtag agttgagctc accagatctt ggttgatatgt aatagagtgc atgttgctac 180
 tattgtctag tagatgacaa gtatgtctta nttcagcctt ccatcttata gcaaagacc 240
 tactgacttc accataacga tacatttaac aaacaaagta atataagcaa atgtgttata 300
 tcatgtcatg tttatttgag aataatcttg aaatttctaa attgatacat tacatgaaca 360
 acattgaaca tttctctgt tTTTTTTTg ctaatcttca 400

<210> 32189
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32189

gaaacttctc agctgcttga tattgagtgg tgtagggcac tctagaactg tctgcacctt 60
 agtagcatcc atagcaactc cttcacctga aactatatgt cctaagtact ctatctccaa 120
 tacaccaaaa gagcatttag acaacttagt aaacaaaaca ttttctttca acactttcaa 180

tacagcctca agatggcata agtgttcatg ccatgtggaa ctatatacca atatatcatc 240
 aaaaaaactt aacacatatt tccttaaagc atgttggaaa atatggttca tcaaacactg 300
 aaaagaagtc ggagcattgg ttaaaccaaa tggcattacc aaccactcat aatggccatg 360
 gtgagttcaa aaggctggtt tatgtctatc ctcacgttgg actagtatct ggtgatagcc 420
 cgaccttata tccagnttag aacaatactt tgcaccaaatt agttcatcta acagcttggt 480
 catagtaggc acagggaaac tatctttttac 510

<210> 32190
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32190
 ttgctcaaca ttcaatgtca agcgtctcga tatattatgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgtttg aattggctcg gagcttcaac attcaatttc gagggctctg 120
 atatattacc ggactcaatc cgacatccga gaaaaaaatt attgtcgttt gaattggctc 180
 acaggttcaa cattcaattt tgagcgtctc gatatgttac gggactcaat cagacatccc 240
 agtaaaaagc tattgtcatt tgaatttgct cacagattca acattcaatt tcgagggctc 300
 cgatatatta cgggactcaa tcagacatcc gagtaaatag ttattgtcgt ttgaattggc 360
 tcacaggttc aacattcaat ttcgagcgtc tcgttatatt accg 404

<210> 32191
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32191

gattgagtc cgtaacatat cgagacgctc gaaattgaat gttgaagctc tcagccaatt 60
 caaacgacaa taacttttta ctcggatgtc tgattgagcc tcgtaatata acgagacgct 120
 cgaaattgaa tgttgaagct ctgagccaat tcaaacgaca acaacttttt actgggatgt 180
 ctgattgagt ctcgtaatat atcgagagggc tcaaaattga atgttgaagc tctgagacaa 240
 ttcaaacgac aatagctttt tactcggatg tctgattgag tctcgtaaca tatcgagacg 300

ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataactnt ttactcggat 360
gtctgattga gtcccgtaac atatcgagac gctcgaaatt gaatgttgaa gctctcagcc 420
aattcanacg acaataactn tntactcgga tgtctgattg agtc 464

<210> 32192
<211> 347
<212> DNA
<213> Glycine max

<400> 32192

ggtttgtttc ttatgttgga tttttttttc ttctcattgt tgttttaagt gcaattcata 60
tatagttgac gcattaaata aaaatctaag ttgattaaa aatcattatt ttctatcaat 120
atatgtcatt ttttttagta ttgctcgcgt gcatagaagg ctcaatttta tgcttatcca 180
gtcgtctgct ttcaaccatc aagtacaaac attttgaatc catttgtatg tttacgtcca 240
aaacatcatt ttactctagt taaacaatgg atgctttttc cattttccct ttctctttcg 300
ttatcattat tagctagggt tggttgccag ctgattattg cttctat 347

<210> 32193
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32193

aacacgcaca cacacgtctg tgttttcttg atcttaaaga ttgtagtaac aagtgtttta 60
ggccaattgt aggttttaac taaattattc ttcgcaattg atgatgtaaa tatgaactgg 120
aatcagcaag ttggtcattt tacactattt cacacgaatg gaatggaagc atacaaatgt 180
gttaaattta aatattgatc agctgacaat ttttatataa cccatattca tagcaaatac 240
taaaagtcag actaaagaag ttagtactca gtagacattc tattaagcaa aaaataatca 300
ctggccaaaa ttaataacat taactaccat gcactntttt gttcagggaa tgatgaacag 360
cagatagatt ggaaacagtg ttgtggacaa agaannatnt agcttttcaa gatcatcaga 420
aaaaagtaca ttcagactgg atgtccttat c 451

<210> 32194
<211> 398

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32194

ttgttagctt atattattct atgaaaagaa tggatatctc cacaacttct catcactgag 60
aacacctaca canaatggng tagttgaaag gaaaaataga actttgcaag aaatggtagg 120
accatgcttt gcacaatctc actaactaaa aacttttggg cagcaacaat aaacacaact 180
tgctatgttc aaaatagaat atggtaagac attgattaaa aagactcctt atgaactgtg 240
gatggaagat gacctaacat ttcatacttt catccatttg gatgtaagtg ttttatcctt 300
aatccaagaa atgaactcgc aaagtttggg ttagagggtg ataaagggtat cttcctagga 360
tattctgaca tatctaaagc tttcagagtg gttaactc 398

<210> 32195
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32195

gggcagcaat actactaact tgactgtagt gtgcttgtat gtagatgact tgcttgtgac 60
acgaaataat gagactgaga ttgccaaactn taaaggagag atgataagag agttcgaaat 120
gactgatttg gaccttattt cttattttct tgggaattgaa ttcaagagaa ctaatggggg 180
agtgatcatg aatcaaggga ggtatgaaag agatgtactg aagaagttca gaatgggtga 240
ctgcaattnt gcagacacac ccaactgccac tgggtgtgaac ttggtgaaag atcctaataga 300
agaagaagta gatgtaacat tgtatagaca aatgggtgggc tcaactgaggt atctntgttg 360
tactagacct aacttattgt atgttgntgg ctttaattagt agatatatgg agaactctga 420
ac 422

<210> 32196
<211> 70
<212> DNA
<213> Glycine max

<400> 32196

agcttctttc tgcgtcggcg aagagtagta ggagcgattc tgagaggagg atcgacacac 60

ccacgcgaga

70

<210> 32197
<211> 148
<212> DNA
<213> Glycine max

<400> 32197

acggcctatt cgttggcgaa taaatgtgta tgcccaagat ctaattcatc atgctttcaa 60
ttttactaac atatttgtct ttatttttatt atcatattta ttgacttatt taatccgtca 120
tatcgacacg actttgatta atattaca 148

<210> 32198
<211> 197
<212> DNA
<213> Glycine max

<400> 32198

tgctttggtg cggcgaaaag attgtgaagg tgaaaagaca actataatga ccagacatac 60
ggaaatgaag agactcgtag tgcaagtgtt ttgatgcgtt ccaaactgaa aagtcaaata 120
agtagtggtg ttggccattc gagtttcaat attgttggtc gttgggttcta accatgccta 180
atacagatat tcaacta 197

<210> 32199
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32199

taaacttgct ttctatttat ttgcacatgt ttgaaaatg gttctttatt tgatttaact 60
aatccttgaa tttgcctatt gaagatagca gtactttcta caggtaatct ttctacttat 120
gaatggcaaa ttaattaacc ctctcttaac atcaattacc cattgtatat acataatttt 180
tattactcat tattagctct tacttaattt aatattatat aagtatattt attcattatt 240
agtaatatag ataattttta ttactcattg ctaggctcta attaattaat taatatttta 300
ttatatttat tgattattaa aaatataaat aattnttacc actcattctc agtttttata 360

tataaacaat tattacatca agcatattga ttaattacta tgc

403

<210> 32200

<211> 63

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32200

tgcttgngct tcaagtttcc atacataggc ggagaggtga agtgatcaag gtatcagaca 60

ctg 63

<210> 32201

<211> 231

<212> DNA

<213> Glycine max

<400> 32201

tcaccaataa caatgcacag attcaccagt aatggaacgc ttcagaagat aaaaaggtat 60

atgtcgatgc cctaagtact ggatgaaatg gactatgtat ctcacgatct cagggatgcc 120

tgtcagatgg atagcctcta accataccct acattgagca tgcacacaac tagatgcgtt 180

atcatgtaca tacacgcgca cgtatgaata catgtaccct cacatgatat c 231

<210> 32202

<211> 153

<212> DNA

<213> Glycine max

<400> 32202

aactgacttc gactgcctc tctcaagttt caagctcctt accctgtttt gctcaataag 60

ccacctgatt acaccttttt gaggaactct ggatgctctc gctatccttt tcttagaccc 120

tataacaaac acaaccttga gtttagcccc cat 153

<210> 32203

<211> 233

<212> DNA

<213> Glycine max

<400> 32203

cagattagca tgaacctaat ttccatattg cctagaaatt tgaacaacta ttggccatca 60

acaccacaga ccataacgat aaaagccttt gacaattaaa aaaaatacaa aaataaaata 120
 caaagcagca gcaacttagc atgtagtata acataagctt gacaaataaaa aatacactat 180
 ggaatacaac tatttccaaa tactgaacaa ttatcaagat taacctgaat cta 233

<210> 32204
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32204

aggaatcana ctcatgacta ggaacccacg tttgctttat gagctagaaa aacatgcact 60
 ctgcgatcgc tatgcagacg acttgatcag agtaaacaatg aacatacatt tctcatatcc 120
 tttgaagggtc caaccatctc tttttttcac ttcatatcta aactgactac tcgcgcctac 180
 acatctatcc ttgccctgcc tccatagcgc tacataggat catgtattct gtaatttatg 240
 actaatcatg attctctgtg atcttgctct ctaagtaatc ctaacttact ggatacaaaa 300
 ctattaagca gacatattta ttatccctat aattcttatt gtttgccgtc aacactcaca 360
 ttaatgtag agaaccctcc taggagcctt atcctgogaa actattcgac aacgacgcac 420
 ccttccaaat tgtagcttgc accttctaata tactacggta cacgccccg 469

<210> 32205
 <211> 65
 <212> DNA
 <213> Glycine max
 <400> 32205

agctgcaccg ggatccttag agcgacctga ggatgtagtt tatatgaaag aatgattcac 60
 gcaaa 65

<210> 32206
 <211> 116
 <212> DNA
 <213> Glycine max
 <400> 32206

aagacatatt ggattggaga tcatgtttgg aacaatctgc tatcacattg gaatgcacct 60

aagtatcggtt tcaagtgtgc atgagcaaaa aaacacaaca tcaagcatct gaacag 116

<210> 32207
<211> 375
<212> DNA
<213> Glycine max

<400> 32207

atcatcggca tgagattgga gagaatcaga ggtaaagaat tggaaacaga taaatgttgg 60
gagcttcaac ttctaaactg tgaatttctg ttacaacctt acacagattc agttgtttac 120
cttacagttg gacaggtggg attaacgaca atgttaacac gtgcaattat ggtgtttcag 180
ttcttcatgt aaaaataata acactgcagt ggacatcaat gtcgttctca attaaaatgc 240
cctttttcat aggaacatgt tgggccattt tctacctatt agaaatcatc ttgtatataa 300
cttttaaagt catcattata aaatatgaat aatattctct taacaaaata atattctcct 360
acaagataat atata 375

<210> 32208
<211> 143
<212> DNA
<213> Glycine max

<400> 32208

agcttatact ttattataat ctatagtgtc gaactgtgtt ttaatcacta cgaggcccaa 60
ttccatattt atcgttttat ttaatcaaaa aactaaaatt ctcatTTTtac aaacacacat 120
tacaaattta atcgataaac ata 143

<210> 32209
<211> 431
<212> DNA
<213> Glycine max

<400> 32209

gtcctatga gggtatcttg acttctaagc ctttctctta tttgatcggt ttctctcttag 60
tgcctcttgt atgttgggaa ctgtcgcaac ctaccctttt gcggggcgagt gacgcgaggc 120
tcacgggtgt gtcttccatg ggaggaaaat gtgcggagtc gccaccaacg tttattgaaa 180
ggaaaacatt ggaaaaacca aaggaaactg gtcataaaga atattccaga ttcaggagtt 240

atgcttacgc ttgaggaagg tattagcacc tctcacgttt gtcccaaagg acaacagcct 300
tagatttaga gctgcbtgaa atcatgtatc ctacattctc cgtctctata tattcttgag 360
gtccacaaaa gcgggatttt tgctcctacg tatcctccat cagagaggaa atcacaccta 420
cgtagttctt t 431

<210> 32210
<211> 276
<212> DNA
<213> Glycine max

<400> 32210
agcttcttgt tgtcggtaag atatgcccc tagtcaatag tgcattgggtt actcccttgc 60
gagtggatc acagaaatgg ggtacacaga ttactactaa tgaccagaat gagttgattc 120
ccacaataac tatgaccgga tgaagaatgc gcattgatta tcgtaagcta attaaagcta 180
cacaacata tcattcttct cttactttca tggataaaaat gttggaacgc cttatgggat 240
aagcctatta tactttcctt gatgggttatt cccgat 276

<210> 32211
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32211
ccgcggtttg agcgttgata acgtgcctac gagaactgac gctaattngcg caggataatt 60
gatagttatg ctcttcatta tgagtgcgct ctatgactaa ccaaacacag tatatgaact 120
agtcattggc tactatngta ctctctatcg gataccggac gataatacta taattatcat 180
gaagactttc tttcgacatg gactatagcg tttttatgat ctagtcatta tgcacagtcg 240
tgcttatcat tgtgactaag actagagtag agattgcgca ctatacatcg cacaattctc 300
gcacatacga ttgctaaaca ttcaataatt atcacatgaa tgaaaattgc acaattgaaa 360
tactatatga tccgacttta cataatgata atagtatgca agatgcaaga ttgaagaacg 420
tgtatgacaa ctcbgtgtgca agaattgctat tactctataa tcatacaggc gaaattatac 480
gatgg 485

<210> 32212
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32212

agtttgtatt ttggttcaag cctacatgag gntcaatact ttggttttgg gaaaagctac 60
 ttattgctga aaatcaatac aacttggtca acactcntcc cactcaatct catacatgaa 120
 ccacagacaa ctttttccga tcttattttg ctactatatt ctctgatttg aaatatgttt 180
 atcatgttgt ccactattct ggcgttataa attcatctgt ctctactaaa caccatatca 240
 tgtctcacc ctttcgcatc attaaatg 268

<210> 32213
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 32213

catctctggg ttatgtggct tacatcaaga cttttatcgg gtgcttgtgt aagcacagga 60
 ttactatttc acaccctctc taatgcgaat taccaatgag catcaattct aacataccgt 120
 gtgccaatTT ttaagaaccc ccattgcact tgctcttaca ctactctta tactctgttt 180
 ataataaagt tttactgata aaaaatacca acgtgactta gctcatttag actatacacc 240
 cgaggatata ctgagctcta agcccaattg taaaaactac caactggact aaatgcgatg 300
 ctacgaa 307

<210> 32214
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32214

cgccgagtga gtctgacatc aagtcattgg atctcgcacc ngcggattct ctanagtcta 60
 catgcaggca tgcacatttg tactttttaa cnatctcttt cataggttga ggttgctctt 120
 agattgcctg tgctgtaca ttattacatg ctaacgctgg atcacgaact tgccatcgac 180
 aactgatta caaatcaaat ctccggtcctt aaaatctagt taacaaccaa ccattacatc 240

ttgcatacag tgcttaaacy ccatcacttc gactacttat gcttttcacc agatcgtacc 300
 attctcgcta tcatgactaa aaaattatgg aaaatgaacc aattacgtaa acatatgcat 360
 ggccatggct acagcgcgca ctccacccat cctaagaccc ctctgtactt acatccgttg 420
 actgcccgta caactggtcc aaaaacgaaa aac 453

<210> 32215
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 32215

gttcggggaga caaatgttaa gcgttctcga tatgcgaaga tgatattccg agtactttgg 60
 atttggtacg accatgctct cctgatttcc agctgggaaa ttggcgagtg gaggaacgcc 120
 ccggcattta cgcaacaagc ataatgtaaa cctttacggg ttttaaaagc tctatagttg 180
 ggccataggct ttagagtttt catttttgta aggctttgtg tcttttggtt ttgaatttat 240
 aatacaagga tctttcttca tctgttctcg gtctctaccc attctcattc atttgcattg 300
 ttacttcttt ttctgaaagc gcagatccga tgacgagtcc cccgaggtac taatacctgg 360
 gaccctgcta tgcactttga gcacgaaatg 390

<210> 32216
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 32216

tagagaggaa gctctcaatg gaggaagata atgagagtta gagagagaga gaggcgtgga 60
 aattaaagga ggataggag agaagttgaa ctttgaagtg tgtctcatag tttctcattc 120
 atcaaagtta tgacaagtcg tacacatggt tctacttata gcctatgtca ctaactaaat 180
 gaaattcact ttgtgtttta tttttatttc atgtaaatct aaaaggaata ttccaagaat 240
 atgccaaagg catcttaaca tattcccttt agatgacaca agcatggaag gtgtgactct 300
 agcacatggg aagcttcctt gagaagcaag gaagatagct tccttgggaa gcaaggaaga 360
 cagcttcctt aagaagctag agttagctac acatacccct ccaatagcta agctaacccc 420
 catt 424

[illegible][illegible][illegible]

$\frac{1}{n} \sum_{j=0}^{n-1} f_j$

[illegible][illegible][illegible][illegible][illegible]

caagcaagct tccatcatat acatatta

208

<210> 32220

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32220

caccgcctgc catgaacctg anttcgaatt ttcgaacncc ntttgaaant cgcggttttag 60
gagcttttat accttttata gcgcgggtttt ggggagctct tgcgcgatct tcgagggttc 120
tttaactgac gtccctctgca gcactattct ctagaaactt ctcaggaagc tacctcctct 180
ataactagaa gcatgtgtaa cacattgtgt acctcttgtg aatgacagcg ttggacacac 240
aactcaaagt ctaacttcat ctcccttttt tttccttctt gctcccccac tctattttct 300
ctacctctct cttttgctcc attgaagcat nctctccatc cttttattca cgactctctt 360
ggtggtgaat ctccctctct catggcctat ttcttactgg attgctccat ctctcaccta 420
ttttcctttg tttccgctga tatcaacgtg gaaatcatct tgc 463

<210> 32221

<211> 431

<212> DNA

<213> Glycine max

<400> 32221

tatctaacat taaggtttat ttaatttggt tgacaattta tgtaataact ctatagacta 60
tagagtgttt gattaccgaa ccttaactac tactgaaaat tatattacaa caacctaaat 120
ttgtaaacat tatcttggtt attttttatg aggacacatg tatttttatac ggaagaaaat 180
attgtgagtt acataaaaaa ttattattat aagagataaa agtttctctt tgaatattta 240
gcatataaat gtacactcaa agctcaaatt tggaatcaca tatgaattta gactagtcac 300
gagtaaatta atttatacat tccatgttaa aacaaattat catcataata tgaattattt 360
aatttcatat tataaatata ttaaatacta ttgcacgact tacccttgaa ctaattttta 420
cagattaacc g 431

<210> 32222

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32222

agcttatgac tgggtcaagtt cacatattca gaatgttttg aatatattta gttgtagtct 60
 tgcggatgaa agaagtatgy ttcaagaaat gacacaagaa acaatttttg cagtcctcct 120
 aagcaacctt agtcaattct ttagttagag cegtgaattc aggaaaatat ctagcaaacc 180
 agagttgaag gaaccaaaaa gggttgcccc ccgaccaatg ttttggcatg tattcattnt 240
 ggtaatcatg ccaaaaagag aatcgtaaaa aggtgcaaga caatagggac ctatggcaac 300
 tctcttgcca aacatggt 318

<210> 32223
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32223

tatgctgcag acatttatta tagttctact caacagctat gcgcgcaact tcagagtaat 60
 tatgaccttt caagcaatag atacaatcca tgttgaggga atcatccaaa tctgagatgg 120
 acaagtcttg cacaacaaca tcagcatgtc cctcctttcc agaatgttgg aggtccaatc 180
 aagccatatg ttcctcctcc aatacagcaa cagtgacaac aaagacaaca tgcaactgaa 240
 gtcctactt aacctttctt agaagagtta gtgaggaaaa tgaccattca aaatatgcaa 300
 tttcagcaat agacaacagc ctccattcat agcttgacaa atcagatgga gcagatggct 360
 acttagatga accaagctca gtcccaaaat tctgacaaat tgccttcata aactg 415

<210> 32224
 <211> 142
 <212> DNA
 <213> Glycine max

<400> 32224

acaagcactg ccgcagtggc acaagacagt taatgagttt atgagcgact cacgattcac 60
 aagatgtgac atggaccatt gctgctatgt taaaaaatat actaatagtt atgttatccc 120
 ttgtgcgtat gctgatgaca tg 142

<210> 32225
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32225

tgggtgattt tctttttctc tgttatacaa atttatgttg tgtattgaga aacaaagttt 60
 tagtctccat tggaggtaga tgtgggtttt tagttgttga ttttcaaact taaatttgaa 120
 aacaaaaaat gtttgaataa aatgaggttg aaatgggtttt taaataaatt ttaaaaccaa 180
 cttagctcac ttttgaaaac aagaaataaa agagttttgt agtttaagtt tttggaagtt 240
 gtgtgggtttt gatactttcc ttcacttttc tccaccttcc atcatatctt tgtttcttgt 300
 ttagtggttg ttagaggtga caaatagat gaggttaact aactcgactt gaaccattt 360
 gataaaatgt agggtttaaa ctatagacta tgatcatgaa tntaatttaa gtttttta 418

<210> 32226
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 32226

agcttacggg agccaccctt tggcagcagc cccaagcctt cattgtgcat ttttgctttc 60
 atttttcgca ttttctttca tctctataca gtaagtacca tctcccttca aattttggct 120
 ttccattgtg gtattctggt gcttttagctc tcatattctt tctaaatttc atgacacaat 180
 ttgcgtatga atccatgctt tgattatttg attgcgggct gcaacggatg accctacgcc 240
 tacctttgat tctactatgg at 262

<210> 32227
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 32227

actatacctg gtatctgaca tatgtgtttc ttgatctata caggcgaccg tgactacacc 60
 ctgcgtacta ctagactcca tcttagacga gatgttgatc tatatgattc ctcttcttgt 120

aatgggtatg atgaaagagt ggaaagaaac attcttatac cctctctact acctctatac 180
 ctctcttggtg acgaggaccc ttgctaacca ccttctgcta cgcctcacag actagatcat 240
 gaactatcgt taccatatgc tactccataa ctagtattat atttggtgtg catatatgac 300
 atctgtctct ggaccgtact taaacctggg atc 333

<210> 32228
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32228

agttttcatc ggcaaaagga tcgaagtgtt tctgattata ggcaaatttg atcatcgcta 60
 ctttgataaa taaaaagcct gnggcaaagt gagagagtaa gaatgatgga ggaacccatg 120
 ctgtgactgt cgttcctaca tggccaaatt tcccaccagc tcaacaatgt caatactcag 180
 ccaatatcag cctcctcat taccaccac cctatcaacc aagaacaccc aatcatccac 240
 aaaggccatc cctaaatcag ccacaaagcc tgccttccgc acatccaata ccaaaccacca 300
 cccttaacat gcaccaaagt accaaccagg gaaggaattt tccagcaaag aagcctgtag 360
 aattcacctc aattctggtg tcgtatgcta acttactccc atagttactc gataatgcaa 420
 t 421

<210> 32229
 <211> 131
 <212> DNA
 <213> Glycine max
 <400> 32229

cgctttttat tatggcactc tcttggtggc gaaaggactt cttccatggc ttattcccta 60
 ctggatgacc tctcttctca cctcttctcc tttgtcttcc gctacatctc catgatggaa 120
 aatcaccatc g 131

<210> 32230
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 32230

atctaattat tagtttctat gttattaaca agccgttcat gagttaacta gagatttctc 60
 tttgaattat ccgatttctt tctagactat aacttaaaaa cttcagaatt taaccacacc 120
 taggtatatt atgataacat ctgatttttg gatttcagta gtctaaaaac actattcagt 180
 cgcatatcag aacactaaca ttgtctacca catatgataa atggggatgt tacaactgag 240
 agcataaacc ttgataacta tcatgaagta caatcagcat tagatagtta tttgtctatt 300
 gttaagtatt agtgacgtat ttttagtctg aactttatat taaatccatt ttaactaaac 360
 aattattcat gttttttata aaaagtgtca ttatatgtat tttacctaac aactg 415

<210> 32231
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 32231
 agcttctagt ctaatggact taccttgaat gaatcgcttt gatagcccct ttgagcctat 60
 gttccccctt ctttgttttg aagctcatta caagccttaa ctgaacaacc atgatcacac 120
 cctaccctta atgagatttg gagctttgga attgttttgg gaatacgtgt ggcgggggtat 180
 atctcaattg aagatatgat ttttggacat gctca 215

<210> 32232
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32232

cttcggttgt tcaatttcta gcgtctcgat atattatattt ttcgaatctt acatccgagt 60
 gaaatgttat gaccattcga atttgtcgag agcttctggt gttgaatttc gagcgtctag 120
 atgagttatg tcaccgaatc ggacatctgt gtgaagagtt atgaccattc gaatttctcg 180
 acatcttccg ttgttcaatt tcaagcgtct cgatatatta tgtccccgaa tctgtcttct 240
 ttgtgaaaag tttggaccat tcgaatttct ggacagcttc cgttgttcaa tttcnagggt 300
 ctogatatat tatgtccccg aatcggacat ttgtgtgaaa agttatgacc attgaaattt 360
 cttgagagct tccgttggtc aatttcaagc gtctcgatat attatgtccc ctaatcagac 420

atccgagtga aatgttatga

440

<210> 32233

<211> 205

<212> DNA

<213> Glycine max

<400> 32233

agcttgctct atatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60

gctttaaaga gtaatgtccc actaaaacta actctccaaa tgtttgcctt cgcaggaatg 120

gccccgacga agcttgcttc acagacgtcc aggaaggaca acgcggccga acgaactagt 180

tccgccccgg agtacgatag tcacc 205

<210> 32234

<211> 316

<212> DNA

<213> Glycine max

<400> 32234

cttccatcca gtgttccctt gatggggacg aggggaggct ttaattgctt taattacaat 60

cctatcctca ccataagaca atttgggtac cctatgagag gagcaccatt agaggaaggc 120

ctcacacctt ttattgcgag aggtttcaat agcaccaacg tgagggtgct tcatagggtc 180

cgcaaggcat gacacagggt gcaaaagatg gacgaggaac ttatgggaag taacaatggg 240

cccatcgacg gttaccgtag gtggttgaaa gcctacacac aaagtctgga ttggctttca 300

aatttgagaa ctacta 316

<210> 32235

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32235

agcttgagtt atatcgcaac aaaatgcagg agctgggttag taattcatat cttgctttgt 60

tttaatctta gattgatgtt tattgcttaa ggctttgcat ggttgaaatc aattatttgt 120

aggettgccta ngccacctgc tgggtggttca ctttaaagta aaattgtgtt tgcattaatg 180

aagttattgc atgccaaaga gggttaaaaat aaatttatta atgatctttg acctgtaatt 240

attcacatgt ttggttgcc ttggttttac cacatacctt ctaagcgaaa tagctctcga 300
gtatactatt atatacat 318

<210> 32236
<211> 415
<212> DNA
<213> Glycine max
<400> 32236

aatactcacg cttgtgcttg ttttattaaa attcctagga ttatgagctt ctaggtgtgt 60
cctacaatga cttgcgaaac aaaagggtgat caaataacaa gcagagattt aaaagggtact 120
aggttgccct ctagtagcgc ttctttaacg tcttgagttg gacgcctgat gacttgctcg 180
tcacggacct agtactttgc ttacctttgg ctttggactt ggtcgcctat tggttggcca 240
tgtgtcgtag gcaatactct aacctttttg tggatgagct gatgggctct ggaggtggcg 300
acggtgcatt tgttgcctgt tgctggcgat cccaggtctg gtgtgggtgtt ttgccttgcg 360
cctgcctggg ggcgaatact tcttgatgaa agctcgatta gtatggaacc tgatg 415

<210> 32237
<211> 245
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32237

tcaagcttct atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttanact 60
tccattaatt ntntgcttta ccttctcttc cattggtgnt tcttcattct ttctccatgt 120
atctcctcac atctcttggt ctacatgttc ttaacatgat tctctagagt ttccaccgat 180
taaacttgct atagaagcta gatttgatct tctatggttc acatttcttg tccttggtct 240
tgaac 245

<210> 32238
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32238

ntgaaaagtg ttgtttttca ccttcttggt aagccaattt gctgggtcag cgagcagcca 60
 ctaagcgcaa cactcatggg ctaagcgcg ggaagactct ggaagaagat gagctataca 120
 gggtcgctaa gcgcacgct ttatctcact aagcgcatg ttttagttca tccactaagc 180
 gagaaaggca tgtgctaagc cgaaattcac taatgtacgc taagcagtc ataagtgtgc 240
 taagcgcacg agcacgaaca aggttgatcg aggctgtacc cgaatcaaataaacattaaa 300
 atgttgtcac taggaagtga tcctacgctg tttcccaaca agcaatgata aaccaaagt 360
 tcataacgga tagtacgaaa tagtaacaaa ttgggggggg gggggggg 407

<210> 32239
 <211> 113
 <212> DNA
 <213> Glycine max

<400> 32239
 tcaagcttat gagaacgtgg tttcacgact ggagactgtg gatcatcgtg atactggttc 60
 aacttgagca cgtgtgggct cacgaggagc agcctcattg ggtctcacca ttg 113

<210> 32240
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 32240
 gaataacgtc ctatcgattt ttttgatcat atttttttt caagatatct tgattattcc 60
 atcattattt tgttttattt ttgcttaacc gatgttatag cgtgaatgat cagtcgaaat 120
 tcattttatc atttattaag tgacaaaact acttacatat accgtaaaaa gcttgttaaa 180
 gcggaagaaa agaaaactga aaataagcga aattaaagt acaatacaca caacacgtag 240
 ggaccactaa cggtgtgatc gacg 264

<210> 32241
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32241

taagcttaaa gatccagtct ncatagaagc ctgacaagca agcttccatc aagtggtaat 60
cagagcacia gagcttcaag taggtgctcc ttacacctcc attaataatt tgctttacct 120
tctcttccat tgttggttct tcattttttc tccatgtatc tcctcacatg tcttggtgcta 180
aatgctgcta acatgattct ctagagtttt caccgataaa actcggtata gaagctacat 240
ntgattttct at 252

<210> 32242
<211> 439
<212> DNA
<213> Glycine max
<400> 32242

gaaactcacg cttatatctt tgaaattctt gttctatatg ttcaacctat ttcagcttgt 60
ttgacaaatt atatcaactt tttatatcct aaaatgctga ataaataaat gaagctttgg 120
atggcttaaa tttccatata cacttgctag ctatttcctt cttttgaata atgattcacg 180
ttaggttcta caaagtgaca tttttaatta ggcatattaa gaacttggcc ttgcataatt 240
tgattgcaca gaagagtatc attttactag aattcaagct aatgttcatt cttataaatt 300
ttttgtgaac attatcttta aggtctttat tggataacac aatgagtatt gatgttgact 360
acataattgaa caactgaatt gacacacata ctagcatata ttttaacagca tcaaaacata 420
ttgagtagag gccaacata 439

<210> 32243
<211> 236
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32243

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tccattgatt tttagtnta ccttctactc cattgatgtt tcttcattct tatccatgta 120
tcttctcgca tgtcttgggc taaatgctgt taacatgatc ctttacaatt ctcaccgatt 180
gatcctgcta tacaagctag acttcattct ctatggttca catctcttgt tcatgt 236

<210> 32244
<211> 441

<212> DNA
<213> Glycine max

<400> 32244

aatactcccg ctttgaaata tccaccacga tatcagggat tataatcctt agacaatata 60
aattgcatat tacagcgtga acatcattgt tttttgtaga agacgtgcac gcgcagatac 120
cttctattaa aaaagagatt ggtcaagcca gaaagtgttc tagataactg catcgaaaca 180
tgcttggttc ctgtcgcaaa aatacaaaaa acgaaaagcg tgagctggag aatgaaaaaa 240
aaaaattgga agaagaacaa tggtggggaa aaggaagaac cagggttgta acggaataat 300
tgaggaagag gttggtgcct tgaagttgaa caggcgtaga gacgatctcc gatgaaagag 360
gacttctacc tcatttgcag ttgcggtgag gcgcccgtcg ccattatcga tctttctttc 420
tttttgctcc tgctactctt a 441

<210> 32245
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32245

tctgcttaag gtacttgtgg ctggtgagag gcattggtgg ctggtgctt gctctggctg 60
caaagaggaa agggtttgag gcggtagctt tgagaacgat atgagtgcta taagagggga 120
ggggcactat acgggtccca ttcacatata aagcactgct tcggctgatt tggaagctat 180
agatttggac gctgctgcaa acctatgaca gctggctgta tcacggatga tangatcaat 240

<210> 32246
<211> 341
<212> DNA
<213> Glycine max

<400> 32246

agagtttggg ctgttatcca catgctctct ctctagcaag tgctgaagaa aatgtattac 60
ggaagaagga tcccagccga ggcgctgacg taacgactgc ctgctgctat gcgacttatt 120
acacgaagat tattctgcgt tacttcccaa tgatcctacg gtcttacata tgttgaatcc 180
tccacggcta actaccatat acctgcttt tcaattaatt ctatgtaccc cgtgtgcgcc 240

acactccgtc catcgcatgt tatgctcgaa gcgtttgacg cgcataccag ctaatgatgg 300
gcgaatgacg tctattttaag caatttatcg cttaatctac t 341

<210> 32247
<211> 304
<212> DNA
<213> Glycine max

<400> 32247

agcttatatt gatttggtcg aacgagggat tgaggtttag taatttaggc tacaacatag 60
aacacaagag catgattgat tagagaaata catttatatg catgagcttg tttgtgagac 120
agaaccaaca tttctaccta ctgctgtcac tctacttac tttgcattct atagctctta 180
gcataaaagt ttagtttaaa ttctatttga aattatcaat catacatgtt ctctcaacaa 240
tgcttcattt ctgaacttaa ttcacgctag cattaattcc ttgcgttcat actcggattc 300
atcc 304

<210> 32248
<211> 378
<212> DNA
<213> Glycine max

<400> 32248

ctaagctcta gcttctcaag gaagtgttct caaagattct tctcaaggaa gttttctcaa 60
gaaagcttct caaggaagct acctagtcta taaatagaag catgtgtaac acttgttgta 120
actttgatga atgagagtct tgtgagacac aactcaaagt tcaacttctc tccctttttc 180
ttccttcgtg cccccctc tctctttctc tccctctttc ttttctcca ttgaagcatc 240
ctctccaagc ttcttatcca agactcatct tgggtgtgaa gctccttctt ccatggctta 300
ttccttagtg gatggctcct cctctcacct attctccttt gtcttgcgct gcctctccaa 360
ggtggaaaat caccattg 378

<210> 32249
<211> 293
<212> DNA
<213> Glycine max

<400> 32249

agcttaaata ctagtgtgtg tgtgtacaat gccccttcat tttatatattt ggacataagc 60
 tatgtccttg ggtgtccgat tagagttggt gctttatacg cagaaatttt agacactatg 120
 ttcaattcta ggcttagact agcctcatca tctacatact ggaaacatgc caatcccgtt 180
 acttttgggt tgaaatctta aaaatatcta agggatatagt aaatacccaa gtgttatattt 240
 tagttgttct ttagtttgaa atctgattac acgtttctgt acacgctctt cac 293

<210> 32250
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 32250
 tcatttaact ggtcatacat gtgcaccage ggggcagttc cccaggcata gccccactc 60
 tgaccagtt cttggaaagc ctctagatgc accacatgaa catgtgttgc actcttgta 120
 gaaaaaagag tgcaaccaac caagtggagg aggtgaagcac gggctgctac aatccaccat 180
 cgggcacgac atctactctg atagacatcc cgaagccacg aaagtcgtac atatgccgca 240
 tccgcccgtc cagtctcaga tctagcctcc tcatcgaaga cctcaaacia ctccatcaac 300
 aagaagaccg catcgccac aagtagaggc tcaaagctgt ggaacgcgct tatgatcgaa 360
 agatggagga gtgatgccac atcgtccagc gtgatcgta actctctac t 411

<210> 32251
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32251

agcttatgat attgtcttgg aaactataaa aataaattat ttgaatcaaa gatacattat 60
 tttcatgcct atcaaagtgt ttaaatttta aaattaataa atcattattg atataacttt 120
 catgataatt attataaaaa tcacgaaact tattataaat acataattac tataattaaa 180
 taaaaatata aaatacttca cactatcaat atataatcta tttaatcaaa tcanaatcaa 240
 tatata 246

<210> 32252
 <211> 482

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32252

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accgctgcct gacacattga ttacatcgac atttcgagan ctacgcaaca caacacctcc 60
cggacgtcct atcaatcgca acaacttcgc cgcttctcac cttctccttg gcgagcgcct 120
cgaggatcct agcgccgatg tacgaaaccg ataccatctc cgatcgatg agcgtcggct 180
tcccggacat cctagagggt cgggacaccg catggcggtc tatcaggacc tgcaccactc 240
tatgttcaat gacttccgct tcttccttga tgcggacgcc gaaggccgtg cggaacgcat 300
gtgagagggc tttggttctg gacttatcct atgataacat ttctctggca acgattactg 360
gaaaaggggt aattaggcac gaggacttgg acatgaccat agagaatgta gacttgtcgg 420
agtcgtgctc tgcattggagg atgacagcgc tgaccaaata ttgccatctt aatcactcga 480
gn 482
```

<210> 32253
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32253

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tcccccaatt ntctataaat aggggggagaa gtaatgtgaa aaatgtgttc agccccttat 60
gcacttctct ctctttcgaa tttgcttggg aaaattgttt ccgtgaagaa aatccaagcc 120
gaggcgcttc cgaaacattt ccgtaacgtt tccgtgagga atttcgcgaa ggtttcgacc 180
gttcttcgac gttcttcatt cgttcttcat cgttcttcga tcttcaactg gtaagtacct 240
cgaaccaagc ttttcgattc attctatgta cccgtggtgg tccacattgt gtttcgtgta 300
tttttattct cgtttcattt actttntata cccccttttg acgtgcttaa gccattttat 360
ttaagtcatt tctcgcttaa cctataaata aaataaattt ccaccgatcg tttgaattgt 420
attatcccgt aac 433
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<210> 32254
<211> 344
<212> DNA
<213> Glycine max

<400> 32254

agcttgccaa tggaggaaat gatgtctcaa tcagggaatt gtctttttaa tacaatagca 60
aatcctttga aatttactac cattttatat gaagaggaga ctgagaaacc ttttctacac 120
tactaaaaaa aaggccttct acattagttt taatgaccat tttacatcgg ttatggcgtg 180
tgggtggtaga cccctgtcgt tgaataacaa catcggttga agaactagtc ttagaattgt 240
ggacattcta catcggttct gaaggtagaa ccgatgtaa atgtggacat tctacatcgc 300
ttgaaccttt agaaccgatg tacactgttc acattctaca tcgt 344

<210> 32255

<211> 419

<212> DNA

<213> Glycine max

<400> 32255

acaagtctac caaagtgatg gaacaaatta tgtcaatttc ataacaaaac attcagctat 60
tattatttaa catttcagga caaaagattg tgtggtggtt gtgcatccat tctcaagtct 120
atctaccaag ttatttgatg aaattcaaga tagagttggt agagatcgac ttggcttttt 180
tttcaatcaa ttgtttcttc actattttaga ccacaacaca attctctttt gggtataatg 240
tttcctagtg ttttttattg attgtatatg atttctatag tgtattttat acaggcctta 300
atagtatttt gattcccaat agtataattt ttgtacacag tgtgtacttg agttgcacta 360
cggtggttct tcttaatgca ctgcaatggt tctataaaat gataggttta tagaggaag 419

<210> 32256

<211> 188

<212> DNA

<213> Glycine max

<400> 32256

agcttggatt ttcgagcttt ggtgtgtgga taatcggttc attgttgtct gaactttcaa 60
ggcccttctt atctcttcga ggccataaac cagcagccac tcaatgaaga ttcaaactct 120
tgctatacga gcattgcaga agagcaatgg tgcacgagca acccttttct catgaagacc 180
cttctctt 188

<210> 32257
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32257

ttcataagtg aaatcaggtg tagccatttt cctaagtgtc ctctcacgag atggaggttg 60
 agccgtgttc tcagtatgaa aattagtagt tgaatgctca aaatcagaat attcagaatc 120
 accagcaaca aaatactcat agtgctcaaa atgctcagaa tgcacaaaat gaacaggatg 180
 cacactatgc ctaagtaatc tatgaaaggt tctatctatt tcaagatcaa agggttgtaa 240
 atcacctgga ttgcccctag tcatgcacta tatgcagcaa atcatgtatc tctcaacaag 300
 cacctaacaa gggggtaaaa ctacagctat actcaacaa tatccaaatg agctgaaatt 360
 gtgtgagcca caccctacca tcatgaaaag at 392

<210> 32258
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32258

tttgtctatc aattggaagt caaatgcacc atgcatgaga ttttcgatgc tgggcaggcg 60
 atacgcattc ttacgatgtg ctttattgag gttgggtgtg tctgtgcaca tgcgccattn 120
 ttcattggcc ttccttacca agacaacatt ggccaaccaa gtcgagtatt agacttctct 180
 gatgaattgg gcttacggca gattgtctat ctctcccccg ac 222

<210> 32259
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 32259

actcgcctta gatttaattt acataaaaaat aattttcttt ttgtcagttc actttggtta 60
 tgattaatta taattggcctt gtcacaaagg tttttaaaaa tggttcccat tgtaattgag 120
 attgtaaaat taaagatttt agagttattg tgacttcatt acaactataa ttatgattgc 180
 atcgaccata tttctctgta atttctcacc acatcaaaag attgtaacca aagtgtgaat 240

tactttaatt tagaactctt gttttcatac ataataattca catataaaaa taataattaa 300
tcttcgtcag agataattaa ttacttatta aaaaatacat atcattatta attatgttaa 360
tcaatattat tcatgcacta tatttaaata tattatactt agccaaaaat agttcatcac 420
atacagata 429

<210> 32260
<211> 269
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32260

cccttgatg actctgagtg acctgacgca ttttatttgt cagggggctg tttgatatgt 60
aaaatgctaa aactaaagtc ttacttggga tctatacaat tcacccaacg gttgtaaaga 120
gtccagnngg ctgaaagacg atgattatat aatgcacaat tttgagaata ttgctgtatg 180
actgtgctaa tcttaattgt attgagaata ttgctacatg attctgctga tcttaattga 240
ttctatctcg cgcaattctg attgcatgc 269

<210> 32261
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32261

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gagtgttagga gggaattacg actttgntaa agttatcagc ccanacgcag tgctcgtctg 120
gtgaaatgga cctccaaaaa ggtgttcccg gcatagaagc gcttggtata tgcgtgcaat 180
atcaggtcta tggatgatcc atgaagacta tctagaagtg ttcagagcgt ggcacatcaacg 240
actcccaatc gtactacaat gtacataatc ctccggtgag aatgtcactg gaaaaagagt 300
ctaacaacac ttgctgcacc gaacattggc aaaaattgtg tatgatgaat tgtagccgga 360
tgcactacaa ttatgccccc tcgccagctt aaccggcatt gagggccgcca cttgctcaca 420
cttggttatac aacgcgaaaa tcgattgata cttgtactgg gc 462

<210> 32262

<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32262

ncgccgcacc ggatttgatg cantgcanca catttggtt ttgccacacc gccacncgcg 60
gatcctttat agtctacctg aggcaactctc tttatttgat cgcgtgatca atgggtcggg 120
gtaaataaccg tatectacct cctgacataa tacctaaaat catatccttt ctagaaacac 180
taactgctaa tctttgtact tattctgttt ttatccgtac acatttatta acttttcctt 240
ttaatcttct ccattcttct attacatatg atatcgatct catatactac aatcttacgc 300
ggccccattc ctattctata tcttttatac atcccaaggc tcaagcgctt aaacttgatt 360
tacaactgaa ctgatccata ttccacaaca tttttctat cccaacatca aaccaactc 420
tgatgacacg cctactcaac tctccattca tggcaactcca ttttgcac tttctcacc 479

<210> 32263
<211> 398
<212> DNA
<213> Glycine max
<400> 32263

tctacttatg tggcagggcg ggcttccttc accttcttgt ctccaacgtg ttctttgacc 60
attgtttctt cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgttttt 180
tcctaaaccc atccggggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240
tgcacgggac agacaaggct gcccagaagag ggagtagacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcagctt gtgacgattc ttctgcggct tccacataac gcatggagga 360
tgggcagctt accaagatat ctttcttcgc tgacacga 398

<210> 32264
<211> 343
<212> DNA
<213> Glycine max
<400> 32264

tttagcttga gatgacgaag tggtgaaggc cgaaacttcc tgcttttatt gttgaccaca 60

gagtgggtacc tggagatatg tcgcgggggt cagcagacct tggggacgtc acgtgggggtg 120
 ctattgcccc aaaccaagct tgaccaatcc cgaccaacc cgggcatagt cggtcagtga 180
 gaacatgtga cgtacctaag caggcgagct cctgccagtc aacagataaa aggaaaacaa 240
 gaccacacag caccgaggct tgtggtggct ggccagctgt gaatcttggtg taatatgtgg 300
 attgtggccc tggtaatcga ttaccaacgg tgggtaatcg ata 343

<210> 32265
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32265

tctattctga atttcaagcg tctcgatata ctatggttca caatcgaaca tccgagtaaa 60
 aagttattat cgttagaata tgctcagagc ttctgttttc agtttcgagc gtctcgatat 120
 attacaggac tcaatcggac atccgaatta aaaattattg tcgtttgatt ttgctcatag 180
 cgtctgcttt taatttcagg catgtcgata tactgcaaga cacaatcgga gatccgagaa 240
 aaaatttaat gttgtttgaa ttttctcaaa gttccattt tcaatttcga gtgtctcgat 300
 atattacagg acttcacgag acgtccgtgt taaaagttat tgtcatttga atntgctacg 360
 agcttctggt ttcaatttcg agcgtcttga tatattacgg gactcaatca gacatccgag 420
 taaaatgtta ttg 433

<210> 32266
 <211> 249
 <212> DNA
 <213> Glycine max
 <400> 32266

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 atatatcgag acgctcgaaa tggaattttg aagctctgag caaattcaaa cgacaatcac 120
 tttttactca gatgtctgat tgagtaccgt aatatgtcga gacgctcaaa attgaatact 180
 gaagctctga gcaaattcaa acgacaataa cttgtcactc agatgtctga ctgagtcccg 240
 taatatatc 249

<210> 32267
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 32267

tgaagtgagg aagtgtggaa gggtagact tctactttt attcgttgac catagagtgg 60
 tacctagaga tatgtcgcgg gagtcaggag accttgggga cgtcagggtg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcagtca gtgagaacct 180
 gtgatgtacc taaacaggcg agctcctggc agtcaaccga taaaagaaca aagaccacaa 240
 accaaggagg cttgtgtggt ggctggccag ctatggatct tgagtaatat ttggaatatg 300
 gcctctggta atcgattacc aagggtggtt aatcgattac gaggcttaaa aatgaagaca 360
 cgaagttaag atggcctctg gtaatcgact accaaggatg tgtaatcgat tacc 414

<210> 32268
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32268

agcttgtaat cgattacaca tatactgtag tcgattacca caggagtttt tcagaacaca 60
 ttctcaacag tcacatcttt ttatctgttt cttacatggc catcaagggg ttatatatat 120
 gtgacttgag acacgaattt aacaagagtt tctcagaaca naaaggtctt atcctcttat 180
 aaagcacaat cgttttattc tcttacaat tccttgcc 218

<210> 32269
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32269

tcgggtgata tactacgctt ctataacttt ggatgctgcc caagcaaatt aactaccac 60
 agagaaggag ctattagcga tagcttttgc tcttgagaaa tttcgttcat atttgcttgg 120
 tactcgtgtt attgtttata ctgaccatgc agctctgaag tacctgttga agaaggctga 180

atcaaagcct agattgatca ggtggatgct ttggatccaa gagtttgatt tggagatccg 240
 tgatcagagc ggtacacaaa acctcatggc tgaccacctg agtaggattg agcgtgcgcc 300
 tgaggactca cccattcggg atgatttttc agatgaccat ttgtacattc tgtataagat 360
 ctctgattcc ttccccactc cttggtttgc taatattgtg aattatttgg ttgcttn 417

<210> 32270
 <211> 268
 <212> DNA
 <213> Glycine max
 <400> 32270

agctttccac atccgatcat ggaaggacct ggcaactgcc tctattatgc agtaccagta 60
 caataccgac atggettcg atcggaacca gcttcagggc atgactaagc gagagcatga 120
 gtccattaag gaatatgcc aaagatggag agatcttgta gcccaagtcg taccgccaat 180
 gacggagagg gagatgatca caattatggc agatacgtta cacacgttct actatgaaaa 240
 gctataggct acatcccact aactttgc 268

<210> 32271
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32271

attctcccct ttgtcaagc aaattctttt tgacatcatc aaaaccttca tgatttacat 60
 tctccccct tttgatgat gaaaatcatt atccaaggct tgatcttttt tacatcatca 120
 caatcttcat gatttacatt ctcccccttt ttgacgatga caaccacttg taggttacga 180
 gcaacaacaa aacgaaacga gaaaaaata taaatcgcat agtcaatttt cttagggaga 240
 aatgtggcct ttgtttgttg tcttcataaa tcacatatcc atttatcttg gtgagaaata 300
 tgaataaact ttgatgcatg ccatgtgttt gaagaaattg ctatcaatgt atcaactntg 360
 ctcttctctg tttcatagt cttcatcat gatacccaga cttatgatgt tattctctga 420
 atca 424

<210> 32272
 <211> 172

<212> DNA
<213> Glycine max

<400> 32272

agtttccatt tgtggggcac gcttttcaca ccttccttgc ttggtcgaca gatctgggtca 60
agtctttatc acaacatata cttattgtcc ttactatatg ttccctcttt ttaaattaat 120
tcattcagtg tgcctaaact tacgctatct acctttgtcc tatgaatagg ta 172

<210> 32273
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32273

aagtgaatg tgtaaccatt atgtataatt gcaagttttt ataaagngat ctaattggaa 60
tcctacgtgt aagcaactaa tctaatacata tcaacacatt atattttcaa cttacaacca 120
tgtgaacaac taatcttatg atcaatacta tcatcaatcc tgtgagtctt tcaatcttat 180
cggcaatgta acaattacga atcaaattat caatactctt cctttaatta ttttattaag 240
agacttcttt tccttttcta aaagcttaga cataattaag tgaaagactc accatggaac 300
acgttgctag ctatagacaa aggaactctg aaactttaat taacaagaca aggttacact 360
acaccaaata ttattatctt aattaaatgt cagttatcaa taataataaa ttaattatca 420
ctcttatc 428

<210> 32274
<211> 143
<212> DNA
<213> Glycine max

<400> 32274

cgacattgta gataaatagc tatgactttc acgctaaaat aactacaatg catgggttggc 60
actcgaatat agaataagact gtacatgcat acgagaagat cgtgcagaat aatgctatag 120
tactacactg gaagtactag agg 143

<210> 32275
<211> 200
<212> DNA

<213> Glycine max

<400> 32275

agcttgtaat ttaagaaaag agcaacacag agtcatgtaa taagcctaaa acaaactata 60
agtataaaat acagcagatg caccctagtg gatgtaccct ccactacaac tgacccaaaa 120
gagatgtacc ctctcttggt ctcaactcaa cccaagcaca tgtaccctct acttgtacca 180
caaaggatgt accctccaat 200

<210> 32276

<211> 426

<212> DNA

<213> Glycine max

<400> 32276

acactacaga atacttacgc ttctaccatg gatgattaaa cattgggtgtg ttgcttcttt 60
ctttatattg gttaagcatt caaaaattgt gtttgtcttc tgtcttgagt ggtaagcac 120
catgtttagc ttctgtctct gatgggtaag ctttgggttg cttctacctt ttaggtgggt 180
aagtgtgttt gcttctgcta agtgggtaag cattgtgttg tggcttctac ttaatggttc 240
aacatattcc aattgtcttt gaatgttttt cagtcatttt caatctgctg ccaatgtgtt 300
tccggcatgt ttcattgtct atttttctac ttgtattgtt catcccaagc tggaagtgtt 360
gactccacct tccatctcgt gagggggagt gtgttgtctc ctaatcagta ctaatcactt 420
tgaagt 426

<210> 32277

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32277

agcttaccat tataggaggc catggataag agcttggagg aagaacgaga tgaatgaagg 60
gagagggaga gaatagcaca aaattttgtg ctctaaatga gctttgaaat ctgaagttta 120
atattcaaat ggtcaaagtt aaaaaaatg cacacacatg acctctatct atagcctaag 180
tgtcacacaa aattggagag aaattcgaat ttcaattcaa atttcacttg aatttgaaat 240
tgaatttgtg gagacaaact tcggagccaa aatttcacta attatgatta gtgaattnta 300

gttatggttc agcccaactaa tccaagatca atctcaagat tctccattaa gcgtgcttan 360
gtgtcatgac gcatgtaaag catgaacgac atg 393

<210> 32278
<211> 405
<212> DNA
<213> Glycine max

<400> 32278

cttatttcct tgtagccaaa actcagggtc attgagctat gcacccatcc tggtagctaa 60
gctcaagtct ttgtagccag aactgagggt cattgagcta agcgccactc atggcagcta 120
agctcatatc cttgtggcaa tgtaagcact aagcgattcc ttttccgcta agcgcatgct 180
tctctgtact caagattgca tcatttttagc taagccgact tggtgcccgg cttagcgaga 240
gttgtaggtt ttttgatctg tagaactcgc taagcgatct tatcggcattg ctaagccaag 300
cctttgtgca aaaaaaatt tgattttgaa tttcaaacat cggctaagcg cgcaaatccg 360
ctaagcgagc ctctttgaga aaccaaactg ctctctggct cgctt 405

<210> 32279
<211> 163
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32279

agcttatcaa ttgaactaga aaattaacca agttctctgt ttagataaac atctctgtaa 60
gtatctatag aagacaatga gaacgtacaa tgaatcgagc ttctaacata agttaaatt 120
aacttacgca cttaactctn tctagaagct ctttttattt aat 163

<210> 32280
<211> 422
<212> DNA
<213> Glycine max

<400> 32280

ttgtcaataa taatttaaaa gctagtttat tatgtgttct gcacgagaac taggtcccta 60
acataaaggg catgtgtgtg ttgagtttat gaattcttcc taaagaggct tgccctggatt 120

gaatctcctt tctataggaa gatagcttca ttatgagttt tggcccataa tctgatagtt 180
 cccaataaga gaaatttgga ctagcttcag gatcatccaa caaaatatct ttagtctgaa 240
 aggtcacggt gttaggtttg gacgaccatg tgtctcatcc accttagatt ttgatgaata 300
 acaataagaa taaattattg atattctaata gagtctttga gaagtggaca tgattactat 360
 gttaaaggaa tttaacacat taaatatcgt ccacaacaat agagtatgct ttattttaac 420
 ct 422

<210> 32281
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 32281

tcaagctttg catgactact atgttcaact ggcttgcgca cattaaggac agaatcctaa 60
 gtcgtacaag acaataagta ttaagactaa tcaacaagtt aacaaatatt acaagtgtgt 120
 attcaaatga caatatggta gggggattat tatattactt acataagata aagggtttcac 180
 tagatgtatg ggccatccaa tgaatgactt cagggcggtc ct 222

<210> 32282
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 32282

ctcccgctta tggaattata tcaatttatg agggctttta ttcgtttttac tgagagtatc 60
 atcttagagt ggccttcggt tccaatacaa caattgcttt ctctggatgg cattaataaa 120
 atcatttcca gtgctcattt ttctgttatt tctgcatta catattgctc tcaatctttt 180
 ttctccttgg agtttatcac tatcccaatt cccaattaac tttatttcat tgtacaactc 240
 aggttcattg tatgttaaga aactgagata attaccctta tttgtgagtg tactctatta 300
 acactctatg tctacatc atttagctaa gcgcgtgtaa gtgtgtattg accattcaag 360
 gatattctca cgaaatccac ttacttctat cttcactcat atttcacgcc tcac 414

<210> 32283
 <211> 166
 <212> DNA

<213> Glycine max

<400> 32283

atcctctaca gtggagatgc acgcatttta tcttgctgct accatactat gtccgtaga 60
gattatggca catgtttgca ataggtatgt acaataggaa tcgtttgtct agctatgacc 120
cctacacagc tgaggaagat gcctttatat gagcctgatc ctctcc 166

<210> 32284

<211> 429

<212> DNA

<213> Glycine max

<400> 32284

tcgtcctcag atccctcttg ttggactatg ctcaatttat gacagccctc ctaggtttag 60
actaacttaa actaagcttc ctctcagat ccctcttggt ggactagact taacttaa 120
agcttacaaa agtttagact aatttaacct aagctttgtc ctcatatccc tcttggtgga 180
ctagacttag accaaacaac attattgtaa caacaaat 240
agatccctct tgtaagacta agtttcaatt ctgcttcatt caagttctaa ggcaacaata 300
catttcccaa tgctaaagtc acctaaccag gcacacaaat gggatgatcag accaaaagca 360
tatggaattt aagcactgaa agaagcattg aacacaagac acacaatcaa ttagatatca 420
caataatta 429

<210> 32285

<211> 250

<212> DNA

<213> Glycine max

<400> 32285

agctttctca tttatgtctt atgtcatgat tggatgatg taatttaatt agaaaagata 60
tctaatttta tttttgcac aagatattta ttatttttat gcagttatac ttatttttga 120
caattagtgg agtgtttatt gttttattat catccggata aaaaagtaac ttgagagctt 180
ttggacatca attctatgga ctctttacta cacgggtttt gttttttcac aatcaccacc 240
atggaataca 250

<210> 32286

<211> 433
 <212> DNA
 <213> Glycine max

<400> 32286

tgcttgtggg gcttctatgg aggetggatc ttttaagtctt aatgaggtcc ttggatggtg 60
 attttccacc atggagatgc agcggaagac aaaggagaag aggagagagg aggcggcatc 120
 cactagggaa taagccttgg aagatggagc ttcaccacca agatgagcct tggagaggat 180
 gcttcaatgg aagaaaagaa agagggagag aaagagagag gggggagcac gaaattgaag 240
 gaagaaaaag ggagagaagt tgaactttgt gttgtgtctc acaagactct cattactcaa 300
 agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc ttgagatgct 360
 ttcttgagaa aacttccttg agaagcttct ttgagaaagc ttccttgaga agctagagct 420
 tagctacaca cac 433

<210> 32287
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 32287

agcttcaacc tttggccatc atttttgccc gaaatcgtga aaggagagca ttttcggggg 60
 cgcgaaagtgc gtggctacga gtgggacttc gaaaatccac gcttgggtgg acttctttcc 120
 ctcttgattt tcgtgggtat ggggttttgg gagatatgac gggtagtttc gttagttctc 180
 tgctgtgtga tgattaattg tgaagacatt tgctgaacac ttgttgaaat tgccatgttt 240
 ggatgagcta aacataccca ttctgtttta cggttttgt gatgacgctt gtgatgctta 300
 tatgctgaca ttgctgatgg aaatctgcta c 331

<210> 32288
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 32288

tgtcacaagt atatttaacc tgaacctctt agaagcttgg caaacatacc agccagctga 60
 ttgctggagt taacaatggt ggttgtaatt tcgctggaaa gcaccttttc tctaacaaag 120

tgacagttga tctttctatg cctttgatct tttcatgtgt ttgtctccca attttagttg 180
 ttggagtagt tgcctaagtt ccataagctc acatgtgact attgccatag aacaaaatcc 240
 aacttttgca ctggatctag taattatggt ttccttattg ctcttccatg atattagggt 300
 tctccagca agaacacagt atccttaagt ggatcttgtg tctaagggtg acctttccca 360
 gtcaacatca gagtaatgaa tgatcttttc attgcctttg tctcatgta ataatccttt 420
 acctagt 427

<210> 32289
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32289

agtcttctaa aagtgtcat gggtgaaaac aaaaatggag gatgaaaggg gaaagaggaa 60
 ggtctcttac cactaaaatc aaccctaaaac tcaaaggaag cacaataca aggtcccttg 120
 aacaagaagg atcaaacct caagctctcc aatagagggt ttttcttgaa agggaagaag 180
 agagtgaaat aagattgttg tatgtttggt tcagtntga ttccactana nactgagtat 240
 atgactcttc tctcctctc tattcacatt ccatcactct ctaaactcac tcacccatt 300
 cctatcattc aaggtgcatt cctctcaatc cgaacact 338

<210> 32290
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32290

taatgaaaac accttattgt tattatccta gaattctatg actatgaggc ctccagaaaa 60
 ggggagatta aggagaggaa cttttctgat tatattgctt ccttccattt gactacattg 120
 tttgctatat ataagttttt ctgctaacac ttgcaaagt gtgcttttgg gatgtttcct 180
 tggaggaaaa gcaaaaatta caaaaagtga aatgcaaact ctaacggcat tgtactctc 240
 agccgataga ggaatcattg catgcgcact acctcctgca aggtccgcca tgctcactcc 300
 actacttggt gacaaagtcc tttaggtaat aaggcttggt aatttcctt tttggccttc 360
 agcattcttc cttgtttggt tctgcctcat tctctgatta tgctgcatca tttga 415

<210> 32291
<211> 248
<212> DNA
<213> Glycine max

<400> 32291

agctttcata agtgaaatca gatgcaacca tctccctaag agtcctctca caaggtggag 60
gttgagccat gttctcacta tgaaaactaa tagccgaatg ctcaaaatta gcatattcag 120
aatcaccagc aacagaatac tcagaatgct caaaatgcac agaatgatca ggatgcacac 180
tatgcctaac taaatcacct gaattacccc tagttatgca ctatatgcac caaatactgt 240
gtttttca 248

<210> 32292
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32292

ctccgcttga tatccgntat aagatgatta agaactagtt ttctagccaa ccaaacaaaa 60
aatattttga ttnttttttag agccattaat agcttggttag aataaaaaat acccggttct 120
tcaagcttgt tctgtaagag ccagaagtgg cagtggaaaa taatacttgt aacatgttga 180
agttagtga acttggtggt ttgctcgagg tgcagacttt aatgaatttg ttaccacaac 240
cgatctaaaa ggacgtcttc atgctttctta agctttaccc aaactgaacc ttttacattg 300
gttgtcaagc aactgattta aaaagtaaat gttntatata aattgtgttt acaaccgatg 360
caaaaagtat tgattttctat cacataatta atggatctaa caaaaaaggc acaactgttt 420
cttt 424

<210> 32293
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32293

agcttatatc atttcattaa taagaaaaac atcaatagtt caatacaatg atgagaaaca 60

tcaaaacatt atggattagc atacaaccta gacgacgtct ttgcaaggac atgaaccatt 120
 tggttcgcca aaattcacat ttgagttact agttaaacga acgttattat taaaaagtg 180
 aaaccaattt cgaatccata tatattggag cagcactgaa gcaagtcaca nacatgtttg 240
 caatcagtct cgaacgtgac gttgttgctg ccaactcaat cgtcct 286

<210> 32294
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 32294

ctcacatcaa ggattttcttc tattaaggat ttaaactttc ttctttttaa aattgcaaga 60
 tcactcctgc cctttcaagc ttaaaaactt caagggtctgg tgccaagtgt aatacttact 120
 tcttctgttt ttctctttta tttcatgcag agactgttta aatgaatttt atgttatctc 180
 acgagctttg gagctaacag ggttctaaca actgctgtac accaaaaaga aacaaactcc 240
 ctagcaagct ctggcacaaa gcatggacaa atgggggtatt acaacatcaa agaatgacca 300
 ttctattgac agcagcgaca atcagaagtc ctcaacccca tgtttgaaga cgaaaactat 360

<210> 32295
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 32295

agtttttgtt atcggatctg ccacaggcca cgggtgtcttg aaaccaaatt aggctggcat 60
 ccaaccaggc ctaaatagtt cgattgaaca cctgcacgac aggacaggat ctgtggattc 120
 aagtaaaatg accatatctc atctcacttt tcttcattgt ccggatcgac agcacgaaaa 180
 tcgtcagtga accaggccgg gccgaccttt cgactaatga at 222

<210> 32296
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 32296

aactccgctt cctgcggcca ttcttgcgaa ggcaaacatt tggattgtta gtttttacca 60

agaaatgcta cccttaaaac aaagatggca tacaactccc tccaataaat acaaacatca 120
 atgtaaatth agagcaagct tatgcgcata cttcttcacg aacgttccact tgcacaagac 180
 attcttataa ctaagaaaaa tgcacccata tacaatcaag gcaccttcgt tacctagatt 240
 atttacatgt acttccaagg tgtatthtgg accgacatca cacacatttc ctttgctaaa 300
 ttcacatata tgcatactct aagcactthg gctatcaaaa attgcatatg tgcacatctt 360
 ggtatthtcta atacctatac atacacaaaac ttcatgatga atcttgacta tctacacaat 420
 aaggtgctac atttcatggc cctthttt 447

<210> 32297
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 32297

agthttgacct atcccgaccc aaccagggca tagtcgggtca gtgagaacct gcgatgtacc 60
 taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag 120
 gcttgthgtg gctggccagc tgtgaactct tattgatatg tgggttatgg cctctggtaa 180
 tcgattacca aggtgthgtg atcgattaca 210

<210> 32298
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 32298

ttcgctcacg acattatata acacgcccctg agtccatcga atttgaacca atthtttaaca 60
 acactthtaag cgctthtctat agagaataac gtataacaca cgtactctat agaggaaggg 120
 agagattgta gagactaact atactagact cgatataaaa tacacgttat ttgagcgatc 180
 tacaaattga tacccttcac tgcatgtgaa ctgaagtaat tgcaatataa tataactgtc 240
 acagaaattg aacatgaaag actaatcaat tgcaacgtca cttgaagcc 289

<210> 32299
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 32299

agctttgaac tattgtaaga cacatTTTTct gcgaccttcg cgattctcga ctccatttca 60
ttgaagcgca tateccacttg taattccaaa gtgtcaaccc tctcaccac aaaggtctca 120
agaccatcaa acctgtccac aatcttcgaa agaagagatg aatattccac atgatgccct 180
tctttaccaa cattctgacc acccttcttc acccaagacc catcatgccc tttctgataa 240
ccaaaagacg ctatgactcg aacgcctata acga 274

<210> 32300

<211> 429

<212> DNA

<213> Glycine max

<400> 32300

actcgccac ttacatcaac cagtatatta gcacacttga tatctcttta aaattgaata 60
attgaattga aacgctcaga atgtagcaaa tcaatgcaaa ttcaagatat ttaagaagtt 120
aatttccaag cactgcatcc aactttcatc ttttgcaatg attgaaagtc aagcattttt 180
cacaatccga ataaaatctg tcaaagcaaa actcatcttc cggagcggag aatcatactc 240
agtatctggt ttctcaaaaa ttttctcaat ataaatatat gtgcaaatag agctataaca 300
tatctcttaa tataagaaca gaaatactat aactattggt aacacatggc tagaatgcta 360
acttggtaaa gaaacttcca ggacttcagt agcaaaaatat tcttttattt ttcaattcat 420
aatgcatat 429

<210> 32301

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32301

agcttatgat ataagaagtt gggtttcttg attatgaggg aacaatatat tgcatgccct 60
ttacaagtta gatggtggct ttgaattaat attaatggac atcactagtg ggtttttcat 120
ggtagttttt gatttggata ctgatcgagt attcgaatgc gcatgtgttc ttcatcatt 180
acctaactga ttgtccttga acactagatt tctcaccaac agaggcggca tggatagaac 240

cctagcctaa ctanctangt ttggtttcag gccttacgat gatatattac gatgagtgc 300
 ctcttatata tccaatattg ctttat 326

<210> 32302
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 32302

tgagatccct acagtgcctc tcatgagtgc tcacatcaga cagcaccgag aactgcctct 60
 ggttgacact ctgcacacg tacattttcg ggcagtggct tatcttgtaa tgggtcttgg 120
 cactcatcat tgacttcagt ggctgcctt tggcatgcct ctggctccac ctacacaect 180
 cttgaagaca cgaatacatc gttggcttca cactcatcta acactctata cctctgctga 240
 tcttacatgc gtgactcata tcagca 266

<210> 32303
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32303

cggaaacaag gcaagaaagt tagacacttg aagcttctat aagccaatat gcacaatcat 60
 attgtgccta catgtatcga attaattctc cttagcgtat gaataactgt ttagtaaata 120
 taattgatac taaataaaaa taaaaatgat acttggatta acatgtcgtc cacttgggaag 180
 tatatcacat ttgattgcac gcttgcggta aaagggaata caaggaaaaa acaaggattt 240
 cacaacctaa aacttctgaa attaacacag aaaaatgcat tttgcatcat tttctagtag 300
 ctatccacgt ttggcactta aaggaacatg ctttcatcat ggggagtcac cctaaacact 360
 accttgaaca ttttnccaag gattgacctc tgtctattct attctct 407

<210> 32304
 <211> 107
 <212> DNA
 <213> Glycine max

<400> 32304

ccttcgagcc tattttccac cttctttgtt tcaaagctca ttacgagcct taaccgaaaa 60

accatgatgc cagcttacc c ttaacgaatg ttggagcttt ggaattg 107

<210> 32305
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32305

atccaccatc cttagcgttac aatattttatt aatcatataa tngnaagcat aagcattagg 60
 cacaattcca cttggcttca tattctcata catttaaaac ctttcccttt gaaggccttg 120
 cttgaaaaag cgcgtcatta acacaccaca actatgggtg ttggcaacca aaccaaacct 180
 atccatcgtg caaaacaact tctttgccag cctaacatct gcactcttgc aacaccata 240
 aatcaacgta gtgtatataa caacattcag agagaaacca aactcttnca acatggccaa 300
 aagccgaaac cctttcatca agtcaccagc ttcacaacga cccttgatca taatcccaaa 360
 actgtaggca tccataacaa ctttacgctt gaattcatta tatacccacc aagctatatc 420
 gaaacaattt 430

<210> 32306
 <211> 322
 <212> DNA
 <213> Glycine max
 <400> 32306

tctgttttga ctgaaatcac gcaccacaat tttttttttt taataaaaag ttcacttttt 60
 tagcgtaaag gttgaagatt ctttgtaaac aattttcatt aaaactcatg tgatatgtgt 120
 gtgattcggc tctatacata aattaaatgt cattaatgag tacggggaag ataatgtaac 180
 gtttagtaaa taattaggag aatattttgta ggttctaaaa atagaaaaaa atatgtgtca 240
 ttttctcaaa tttttgagag aaatccatat cattcactca tataaacatt gcatacaaat 300
 atatattgaa tataacaata tc 322

<210> 32307
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32307

atactcacgc ttgccttgcc ccttgatata tttagagggt tcatgggttc tatgaatgac 60
 atattccttg ggataaaggt agtggtgcc tgtattcaaa gcccgacta aggcatacaa 120
 ctgcttatca taagttgaat agttaagggt gggaccactt aacttttcac taaaataagc 180
 aattggatgg ccttcttgca tcaacacagc cccaatccca acatttgaag catcacactc 240
 aatttcaaaa gatttttgaa agattggcaa cgcaagtatg ggggcattac ttagcttttg 300
 cttaagaaca ttgaaagctt cttattgttt gtctcgccat atgagaccaa cattcttggt 360
 gagcatttca ttgagagggt cgtgcaatgt gctgaaatcc ttcaaggatc ggctataana 420
 acttg 425

<210> 32308
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 32308
 agtttcggtt ttcaatttct agcgtctcga ggtattacgg gactgaatca gacatccgag 60
 taaaacgcta ttgtcgtttg aaaatcctca gagctttgga acttaatctc gagcgtctcg 120
 atatattacc ggtctcaatc agacatccca gtaaaaagct attgccgtct gaattagctc 180
 tgaggttcag aattccaatt tcagcgtctc actcattacg ggactcaata agacattcga 240
 ccaaaa 246

<210> 32309
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 32309
 agctttatcc gcagatccct cttgtaagac taggcctaga ctaaacaaca ttattgtaac 60
 aacataatta aaaccaaacc ttaatccgca gatccctctt gtaagattaa gtttcgatcc 120
 tgcttcaatc aagttctaag gcaacaatac atttccaat gctaaagtca cctaactatg 180
 cacacaaatg gattattaga ccaaagcat acaaacatta agcattgaat agggaaaaca 240
 tcatcaatta catattaggt atttacatca gctgttcatt agaaatcccc aact 294

<210> 32310
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 32310

tccgctttat aagtgcgggt ctgggagact aaggccaagt ggtctcgatg tgtgaagatg 60
 atgttccaag acctctggat ttggtccgac catgccctcc tgatttccag ctgggaaatt 120
 ggcgggtgga ggaacgcccc ggcatttaca caacaagcat aatatccgat gacgagtccc 180
 ccgaaggtag taatacctgt gaccctgtcta tcaatttcga gcacgaaatg agccaaacgg 240
 aagatgaacg agatgagggg gtgggacttc cttcggaact agaaaggatc gttgcccatg 300
 acgatcaaga actggggcgt catcaagaag aaacagagca tagagacttg agaattggca 360
 gtggaaagag ggaagtaaag atatgtgcag gcattaccgc acctatccgt gacgaattaa 420

<210> 32311
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 32311

agctttgttg agacaacttc cttgagaagc ttgtttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctaataact aagctcacct gcttgagaag cttacttgag 120
 aagatctcta cagaagctag aacttagcta cacacacctc tctaatactg aagctcacct 180
 acttgagata agaagctaga gcttagctac cacacccta taaaaactac gctcaccccc 240

<210> 32312
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 32312

tgaatattat gtgcttatat ctattccac cactattggt ggtctctagt agtatcttgg 60
 caccaaata tcatgttgga tgatatttca acttataagt tagactctga tatcaatgat 120
 tcatatttgt cactattgca ttgaacattg atattgttct taccactaat tgagtagata 180
 tgttacttga ctatattcat acttagattt ctttacagca agaaatcatg atcttagata 240

attgttggtt gtactactgcg acttccgcta tcttttgtat tcactactac atgatacatg 300
 agtaaagac ttctgtctgt gagtgaaaat aaacattgta gttaaattca cattacttta 360
 tctca 365

<210> 32313
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 32313

ctctttatca cgatttgctt acatgcaagc taggaaatca acaccttcat ctactctctt 60
 catcattcct cttcatttta tttctgagat acaagcttta ggtaaggggg ctctttcatg 120
 tggatcatggc aatagacaat ggaatcctca aatgtcacct tatatatctg cacagtgtaa 180
 gggcattcat attacaaatc ttattacaac tgctccggaa aacatgggtct gtctggggag 240
 ctcacccatg tattctgcat atctttctca atttactgct gaaaatacaa tttcatgttg 300
 aattggatga ac 312

<210> 32314
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 32314

tactggtcta actatttcgt gttctgctac aaggtgcaca acaagtgcac aatcccacgt 60
 actggcctca tgagaatatg ctatctgttg cacgtctctg actgtttact cgatgaatca 120
 gattgtgttt gatgacctga tagcagctgt agaagaacca cgagcagtat gttctgctga 180
 cttattaaact tttgatattg tatcttctgt tgtccccacc agggctaagt ctctggctta 240
 ctattgtgct ccttctgcat accctac 267

<210> 32315
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 32315

agcttgtaac acctaacaga cgatggcaga cgatcatatc tagaagttga agacaatatg 60

catccccatat actagcacac gaatggattg cagaagagtt cacagattat aacacaggaa 120
tactgcc 127

<210> 32316
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32316

tatctgacaa agatgcgtat caacagtttt tgcattctct tgattatgtc aagattcana 60
ataatgtaag tttcatttct ttactctaata ttctagtgat ttattacctt ggaactggta 120
ttttttttttt ggaaggcgaa gataatatat tatatatgaa accaagtacc agaggtacta 180
cataatacag aaaagggtcct gataatcagg agatacagca cctccacag atgaaaaccc 240
tactaacaga agctttaact aaaagctata gacatatgtg aagaccaact ataataagga 300
atctggaaat tcctttccca acccctcagc caggtccata agagaaacag agtgctatct 360
gtcagtctag tgatatcaaa cgttngattc tggaaaatta tatcatttct gagcctccaa 420
attg 424

<210> 32317
<211> 268
<212> DNA
<213> Glycine max
<400> 32317

agcttgaatt ttttcctaaa tatatttatt gtcacattta aaatatcatt taaaatctgt 60
tttggattat atatcaaaat gttatgatcc aaccttaacc ataatcatga ctaacataag 120
ctatgtttta taagacattt tagttaattc tttattttta ttagttgaaa aactcaattg 180
ttcaataaac aagttttttt aataccttct aatctttgat atcttttcta attctacatt 240
ttctaagtac tctaacatct aactttac 268

<210> 32318
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32318

acccaacccg ggcatagtca gtcagtgaga acctgtgatg tacctaataca ggcaagctcc 60
tggcagtcaa ccgataaaaag aacaaagacc acaaagcagg gaggcttgtg tgggtggctgg 120
ccagcaatga gtcttgagtg agatttggga tatggcttct ggtaatcgat taccaagggt 180
aggtaattga ttacaaggct taaaagtga gacaggaagc taagatgggc tctggtaatc 240
gattaccaag ggagtgtaat cggttaccag gcttgaaaat gagatcacga agctaggagg 300
gcttctggta atcgattacc aaggggtgta atcgattacc aggcttanaa atgggactgg 360
aatgttgaac gggcctctgg tgatcgatta ccaggctgtg tgatcgatta cacagaggaa 420
t 421

<210> 32319
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32319

agcttgtatg attatgggggt acctatcaca tgttggtacta ggtggcggtc gggatgatgg 60
gcacaacaag tttttccaca tccacaaagc gtgcataaac ctaccatccc ctgttgccca 120
cctccaactg agctcagta ctcccacgta gcccatatcc ttgtttctct caacaccggg 180
tccccatcaa tcttcccaag cttccacaac atccaagtaa tacaacattt aaacagcaca 240
agctatcaca gcaaaattct tctgcacttg tgcaaaattc tgctgcacaa tttcacagca 300
aaaatctgca caaagtgcag atttcgaaaa ccacacttcc nctcatcaaa tcttgcccaa 360
atcaaatcct acaagtccca aatcatgtat caatcat 397

<210> 32320
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32320

cttctgtgcg aggcattttc tgtaccagca gcagagaaat atgagtgttt ataaaaaacg 60
tgcttctggg ggtgttggtg tgccccagac aagaggaatg aaacaaagaa aaaaacctga 120

aggtgatttg gaaaatgggg ttgtgggtgc tggagttggt ggcgccgatg gtgatggcgc 180
 cgatgggtgat cacactgggtg gtcccatgt tgttgaggaa tttgctgggc tttttggtga 240
 agggcatgat ggtgggggtga atcttggctt gggttgtgaa agttttgacc tttgggggtga 300
 agtagagggg cagcatgttc atatgggtgg ctttggggga ggatgtggga aactgggtca 360
 ngttgaaggg caggttctag gtcagccatg gagcaatgca aatgctggtg 410

<210> 32321
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 32321
 agctttgttc tttttataaa atgagaagct ctggactcat tacgttatct aaaaatcttg 60
 ggggtggatcc aagtgtccg atcatccatt tgcataactca tgtttggcgg catactcacc 120
 gttgttcatt tctttacgaa ttccatcata actaagaaaa caccaaggca cccctataac 180
 actcgatcca gaaaaatgga taatgaagag ggcgtgcacg aacagatgaa ggccgatcta 240
 tcggccttaa aagatcaa at ggcttccatc tcggagggtca tgttcaaact ccacaaaacc 300
 atatatgata aagccaccgc aaccgcctca gtacagctag ggaagcggag ccgtgctgaa 360
 cccgccttaa tccgggcta a 381

<210> 32322
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32322

cttgaacata cgaccttgta aaaattaatg ggaattgggt tctacgatgt ttgagcttaa 60
 atttttactt catcttctat aaatctggaa aacaattata aaaaagaacc aagtgattta 120
 gataaaagaa aaaaatatga aaaatcacac aagttggcag gaaaatcagt gtctaggaaa 180
 aaaaagtga agggaagtgt gaaaacaagt gccaaaacta gaggtttctt gagtcttatt 240
 tttcttttag ttttttact ctactctaga gccatttttag gtttcccttt gagtccctagc 300
 ttgcttttat gtgcttttca ttgctttaat tgttgaataa tccttgaaaa tgtcttgtaa 360

aaactttatt ggtttagctc tcatttcatt ctttntggnc tttggntatt gcttgtctct 420
 ttgttttctt ggttgtgag 439

<210> 32323
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32323

agcttcttct tatagtccac ctttgcttga ccttctttat gcttaaaaat agaaacatta 60
 cgcaaaagat caagaggagt tagtggttga aaaccataaa caacttcaa aggagaacaa 120
 ttagtggtgc tatgaacaac tctattgtaa gcaaattcaa catggggtaa acaagctctc 180
 caagttttta agttattcct canaactgtc ctaagcacag ttcccaaagt cctattaaca 240
 accttccgtt gcccatcggt ttgtgggtga c 271

<210> 32324
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32324

gtggtcttcg gcatcacatt ttaacttgat ccacggcga taagtaccgt ggcgacgaca 60
 tgggtccatac atctcaccga cacatgtaga gccttggtgt gtcctctccc ctcaacggga 120
 atctcttctt tcgcaaacac gatataattg ttggcggtta tatgattaac gatgccttcg 180
 aaaccctcca ctgagatata atgtgctaca tgggcatcga taaggacctt tatcaacagc 240
 gcacgatgag gtcggagtt tatgagcaga tcaagcatag agatccttgt tggagtttta 300
 ttcaattgct cgactacctt aaactcgcta tgctggatga ggcagaggaa ctcatgggcc 360
 tcttncaaag tcacggtctt tccttgaaga cctctttctt ttcaag 406

<210> 32325
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 32325

ttaagtttgt ttgaaggaca ggttctcatt atacaaagct tgcaggaact acttcactcc 60
agaccaatta tgggtgtaga gcagttcggt gagaacgtgg cctgcccagg agcccgaact 120
tgtttcgtgg cggataatga aagttctaca gcccaggcaa ctcagaaaca tgagccagaa 180
ccagaaaatg atcactcatc 200

<210> 32326
<211> 427
<212> DNA
<213> Glycine max

<400> 32326

tgcttctaca ttctctcttg aagagaagga tattactttt gaagtccata gagaaactct 60
taatggattt gcaagtgttt gcccaagagt ttcttttgag agagcatttg gcaatgaatt 120
tctctggaat atctctctca tttcttttg agaggataat acattttgaa caagcaaaac 180
tctctcttta aaattcgtgc ccaagttacc tatttgtagg cctttgatgg ccattcacia 240
attcaatcaa aagatatgac tgttggcaga ttttctgaaa actctccatt ggtaatcgat 300
tacacagtta taatttgaag ggttatgaat tttgaatttg aatttcacaa gttcctttgc 360
tggtaatcga ttacaaacat atggtaatca attacatgtt caaaattcaa aattgaaaac 420
ccttttc 427

<210> 32327
<211> 251
<212> DNA
<213> Glycine max

<400> 32327

agcttgttta caaaaaccta tttggtttcg attagcttat gagaagaaag tttagggact 60
aatcccata cttcattcct tttaaactga ttttaattctt catgcaaagc caacaaccaa 120
tgctcatcat gtagtgcttc acatcttcat ctccacagc attttcttga acaagagagt 180
tagttccatc acaacaaca tgtacatatt ctccacaca taatgttctt ctattaaaca 240
ctctatatgc c 251

<210> 32328
<211> 426
<212> DNA

<213> Glycine max

<400> 32328

ggaaagagga aagcataatc atttcttata agacatttaa aaaagagaca agaggtagag 60
tttcaacgga tgagacgaaa accagcttaa tttaacaatac gatttttcagt attttataat 120
ttgtagcagt accacctatt aggggttggg tgtgggcata ttctcataga cagaaaatgg 180
gtgacatacg catgatatga taagcttaca ttacgcaagt aatttttttt tatatatatt 240
aattatagta tttcgtaaaa tgcgctgtgc ttttcttttt ataactttta gggtagcгаа 300
atacctttgt ttaagtgcac actagctata ccaaaaaatt acgatagtaa aatgtgtggt 360
ttattaaaaa gtacgatagt aaaatttatt aacggatata tgagcatagt cttttattta 420
ataaaa 426

<210> 32329

<211> 273

<212> DNA

<213> Glycine max

<400> 32329

ttctgtttat actaaatata tatgattggt ttatatatag attaagttaa aaatacatta 60
gacttataag atgggtttca aaagtattaa tagaatgaaa ttttaattag catgttacgt 120
caagttaatt acggtattga aaacaaaaaa aatgtaaaca ttcccatagt gcgcaagtta 180
attacggcgg ccactttatt tttaactttg catgttggtt ccatatataa tgaaacacat 240
taatttgaaa atgtgcatgg aggagagttg ttt 273

<210> 32330

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32330

tccttatnt gtaaaaacac ttcctttgaa aaatttggtc ttgcccaact cttttcttcc 60
attgttcttc cacttcttg cttttggatg ctattcatgg agatgggtag ccaaaccctc 120
cgttgttggg gttagatgta tccgaaccat atgctctcat gtattttttt gaaatagtgt 180
tatatatcc tcttattctt caatgttagc tttttacttc tatgcttcat gcttggtatg 240

attcggccac tcatagcttg attcttggat gagtttgcta ttggaaaata ctttctttat 300
 cttgaattgt ggtaaaaggc tcattaaacc ttggagctag gaataagggtg agaggtaatg 360
 gttatctttg ggtcattgag cttaaaccac gttcctttgt taaatgttca agggattgac 420
 atttaatt 427

<210> 32331
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 32331

agcttaatac ccaaaatgac atctatagga ccaaggctct ttatatcaaa attactagac 60
 aagaaagact tcacatcatt tatgaaatgt atattactat caaatatcat tatgtcatct 120
 gcatacaaac ataaaatgac acatccaata tcatcaaatt gtttcacata cacacattta 180
 caactattat tgatttgaaa accatatgaa agaacaactt gatcaaactt ttcattgtcat 240
 tgctttggag cttgtttcac accacataaa aatttacaaa gtttgtaaac tctcttttct 300
 ttacccgatt ctacaaaacc ttacgttagc tcatactaaa ttcttct 347

<210> 32332
 <211> 159
 <212> DNA
 <213> Glycine max

<400> 32332

tcaagctttt ggtacaaaga ttaagaacaa gttcaaagag atttatggct tgtaaaagat 60
 tgattgaata agtgttcaag atacttgaa tgcaaaacaa agccttgctt ttatagactc 120
 ttcattgtctg gccaaagacaa ccattagaag agttatgac 159

<210> 32333
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32333

tcagacaaaa gcattctana atctatgtat ctaaaattcc tcaatttagt ggatttcaag 60

gtttgagaag tgaaaatgag aatggggtaa atttggagca aactctcacc tcacacaagt 120
 ctataacctt aatctaaact tgctcaaact ggttttacgc ctaaaattcc accgaatcaa 180
 aatttgactc ctcaacaccc agtttaccct agaaatggct cttgccttca ctttggtcat 240
 tcatttttct cctttgcaca gcccaagctt tcccatagtc ctaaatgaca tttcaaacta 300
 tgattaactc cctttaacct ccaattacta acaaatccag atttaacctt tcaaactctc 360
 aaagcatcac ttttttccac tcatagcact acattctcac tttctaacct t 411

<210> 32334
 <211> 164
 <212> DNA
 <213> Glycine max

<400> 32334

agctctgatg tttgtgttga atgcattaaa ggtaagctga ccaaaagcaa gaaattaagt 60
 gcatatagag ctacaaacgt cttggaattg atacatacgg acatttgtgg gacattccat 120
 acaccgttat ggaatgggtca acaatatgtt atatcatgca taga 164

<210> 32335
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32335

tgcctcanag aggtccagga aggacaaggc ggccgaatga actagtcccg ccccgagta 60
 cgacagtcac cgcttttagga gcgttgtaca ccagcagcgc ttcgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg atttccagga 180
 ggaaataagg cgccggcggg gggcaccatt gggtactccc atggccaagt ttgatccaga 240
 aatagtcctt gagttttatg ccaatgcttg gccaatagag gagggcgtgc gtgacatgag 300
 atcctgtgtt aggggtcagt ggatcccgtt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtattggaag agggccagga atgcgagtat ggccagagga ggaaccgg 418

<210> 32336
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32336

agcttcgcac atgataatgg agacacatga acagcgctag gcaatgacat tcatgggtgct 60
 ccgaacaaag gcggagtatg gaggattggc ttgaggggtcc acacttaggc aattatgaaa 120
 ctcagctcca aactcgaaag tggaggacac acgaacaacc ctaagcaaga acattcatgt 180
 ggctccgaac aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg 240
 aaacacagct ncataactcaa aagtggagga cacacgaaca gccctaagca agaacattca 300
 tgt 303

<210> 32337
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 32337

tatgctgcaa acatttataa tagaccctct cagtagctta accaacaatca gtagaataat 60
 tatgatcttt caagcaacag atacaatcca ggttggagga atcatccaaa tctgagatgg 120
 acaagtcctc cataacaata acagcatgtc cctcccttcc agaatgctgc tggtcctagc 180
 aagccatatg ttctctctcc aatgcagcaa caacaaagac aacaagcaac tgaggccctt 240
 ccttaacctt ccttagaaga gttagtggg caaatgtcca tccagaatat gaaatttcag 300
 caacagacaa gagcctccat tcagagtctg acaaatcaga tggggcagat ggctactcag 360
 ttaaaccaag cttagtccca aaattctgac aaactgcctt cacaaactat gcagaatctg 420
 aaaaatgtga gtgtcat 437

<210> 32338
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32338

cttgaaggcg tgtagctgat gtgccatcat cttcttctat tttctaaatt ctttttgcac 60
 cattntaatt attgattggg cttaattgtc aattaattac gcagttttat tatttgggcc 120
 cattcagcta atttgatggt tttaactctaa tttcacgaat taatgaagca ttgggcttga 180

atctagaatt gggcttggac ttgaagaggg cagtctaatt taaaattaga tcttatctta 240
tctagatatt atttagattt gatctcatct agatattatt tcatctagat cttatcttat 300
cttatcttat ctagatttga tttgatttta cttatgggct tggattttaa acatatttgt 360
aagctttggg gctgaaaaaa actatataac agcaccaagg ttctagttaa ggggactccc 420
tctctccctc gcggg 435

<210> 32339
<211> 272
<212> DNA
<213> Glycine max

<400> 32339

agcttccatt tagtggtaat tagagcacia gagcttgaag taggtgctcc ttaaaccctcc 60
attaattttt tgctttacct tctcttccat tgttgcttct tcattttttc tccatgtatc 120
tcctcacatg tcttgtgcta aatgttgta acatgagctt ttatagtctc caccgattaa 180
acttgctata gaagctagat ttgattttct atggctcaca tttcttgctc tttgtcttga 240
accatgactt gtgctgagtc taggttcctt tg 272

<210> 32340
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32340

ttaacatana acttcatttc attcatacct caccttattc atgtgcttga gtgcattatt 60
catgagagaa attacagggtg ccaaaagggg gagacataaa aacaaaaaag gtattgtgaa 120
agggagagat ggagataatt caatgtgaga aagaagtgga gagacatgga ttagtttatt 180
ttctttttta ggtcttttct aaaagttaat ttctttttta tggatgcatg gacatgtcaa 240
tatagataaa ttccatttga tgtttatgta aatagatttt ataagtcaa tgcataatata 300
ttatgagttt atgggtcatgc acaagcataa agtaaattta tcttatcatc taattacaaa 360
ttattgttta gatgattctt aagataatta ttgtaaaagt caataaactt atcgtacatg 420
atcatttgta attaaataac 440

<210> 32341
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 32341

agcttgaata tttacaatat cttgctcgct gtctcaacga atgctcctgt tctctccacg 60
 gaagcaacta taacgtggca atggtataaa ttgcttaagg gagaaaatct tattggaaaa 120
 catttcaacc atcctccgga tgatccatat gggtcttggg atggaaactt tacgggtgccc 180
 cttgaaaacc cattcccagc caaaactaaa ccagattcct taaaaatgag ttctaaaggc 240
 tcatctgatg atgacattgc tgggtctgag gatgcgagtc cgacaagtca cgacagatac 300
 acaacttcaa tgaatcgctc tgctggaaat gatac 334

<210> 32342
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 32342

gctactatgg tcaaaggaaa aaaatcaacg aaatcaaaac atttgttgtg gcattgtgcc 60
 tgctgcaatt taagggagat gagaaatgag gcttatgatg ggcaaaaatg acttcaacat 120
 tctaagatta tctgccttgg gcttgatgta cgataagcca tagatagtga tctgccttgt 180
 tttcttgggc ttgatgttag cctattttaa aaatgaataa gctgcaaaac caattggaga 240
 aagtcaagtc tcttactcaa gatcttgaag aagggttga gtttctatct aagcgtgtga 300
 taatgattgg acttgccttt cttattccct taaaacacta acaagtaccc ttaaataact 360
 acactgcccc tcaaatacca acattatact aactactgtt cagcttccca aaatttatat 420

<210> 32343
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 32343

agctttttatt attgacatca ggggtgaagc taattaaatt ctatttggtt gtagaggggt 60
 atatggctac acctttgagc atgatgtatt ttttttttta acttggtgtt attttttttag 120

ttttactatg ttagcagttt ttgttgttct tgattgatgc ccttttgtca ccttatgaat 180
tcttgtatta taattgtcac aacctacctc acgacaggat ggcgaagacc aaatagataa 240
gccaaagcgt tcgtcttcaa gggagaaaat gagcggagtc gccaccaacg tttattcgac 300
aacaaaatgt tac 313

<210> 32344
<211> 427
<212> DNA
<213> Glycine max

<400> 32344

tctgatcacc tggagcacct ccaaatcgca ttacatactc ttgcttaca tagtttcggt 60
ttaaactgt ctaaagtctc attcgcgacc cagcaggtag attacttggg tcatctggtc 120
tctgtgaagg gagtagaacg agtaccggaa aaggtcatag ctgtgcaaca atggccgact 180
cccaattcca ctctgcctt aaggggattc ttaggcttat ccggattcta tcggcggttc 240
attaggggat acgccacct cgcggctccc ctcacagctc tcttggccaa ggacaaattc 300
aattggaacc ctgaggetga tcgtgccttt catcttctca aagatgctct gtgtcaagct 360
cccgtgctgc gattacctga ctttaattcc gaatttgtga ttgagactga tgccctcgga 420
attggtgta 427

<210> 32345
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32345

agcttacatt attaccaaatt taaagctaga tagatctagt ttactgattt actacttgca 60
aaccaattgc ttaatgttgt gaactgttaa aagcgttatc aatggcggca cataaaagct 120
ccatgacaca accacttgga gcattttctt tctctatct ttactctatc gcgtagntga 180
ttaagtatta agttccatga ca 202

<210> 32346
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32346

actcacgctt ttatncacac agttcatacc acctgttatac aaaccaatat agcatctagt 60
ttccccaccc cccctaagtc tcaacttttta atctatataa acaccaaaac tcacacttac 120
ttgtagtcat agtagcaagt tcaactactg atatcatatac acaaaacaat gaaggattat 180
tagggaagtt tgattagttc gaaactgcag caattttattg gaaaaaaaac aagcttgcaa 240
atacctagtc acataaaaaac atttattgaa aaaaaaaaca agcttgcaaa agtcataaa 300
aatgagaaaa gaagcaaaca tgtaccttgc gttgatgtca gactccaacg gaggatgctc 360
aacctcgcaa tagtgacaaa cccaacggc ggtcataaac cctaacggca atgatggtga 420
ggaggagacg accatgat 438

<210> 32347
<211> 223
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32347

agctttttatc attagttttac ttctgagttg tgtaaaacttg gctttcttca atgggtttgt 60
cggtaaatca gcaagattat cttctgattt gcagtagatg agcttgattt ttncctttgtc 120
aactttgtcc gtgataaaat gatacctagt atcaatgtgc ttgttgctcc catgatctac 180
agggttctta gcacgactga ttgctgactt attatcaatc agt 223

<210> 32348
<211> 437
<212> DNA
<213> Glycine max

<400> 32348

ccgcttgaag ttgaagaaac taaagtttgt ggctgcaatg aataagtcgt agaacatgga 60
tccaacaatg atggtgaaga acctgggttat aagcaacatt accattgtta cctaaaaccg 120
aagagggcca ttggggccaa agaccattg gaagcacttt cagagaagga ggcattgcta 180
ttccaggcca atgaagaaaa ggaaaatgca aagaagaggc caccctcatg aatgagaaaa 240
ttgcttggct tcagagagaa aagaacttca actccaaact ccatcagctg aaaaacatgc 300

<400> 32351

tgacattccc ataatgtatc gcctaacatt ccacttgtga tctgagtgat ccactttctc 60
ctaaagggttg ctatattcat aggtactaca atctgtacga gaacagggct tctcaatcct 120
tgatgccagg cctacatcca tgactcaag acccatttgc atgtttctctc tccagtacct 180
tgaacttoga ccattaacaa ctggaaccga atctacatta tcatatgcag aagccacccg 240
cgaccaacac ccccccaaa catacacaaa cctccatacc attcatcaat gcatctacat 300
aatgatatat ctcatgccac ggatgtcact gcaccactta tatgacgtct tcggacaggg 360
acccc 365

<210> 32352

<211> 440

<212> DNA

<213> Glycine max

<400> 32352

aacactcccg cttgtgagtg acactaatta gaagttgaga taagcgcatt tgagtttgat 60
tattggcaat cggaatctgg cattagttgc tatctaagtt agagaatctc atacgaaatc 120
cataaatagg acccattatc tgctttttaa cttgggtagg tgggtcttaga tggagacgca 180
cttcttttaga taccttattc tcaatcccta tgaagcaatg ggtttgaata agaagtatat 240
ggaggcgaat tcctttcaaa catagatcag ggctaagtat atataattta aagaacacta 300
ctaggctatt gaatgtcaaa cccacgtcat gattaactcc tacatgattg atgttttcgg 360
ccgcctgaat agttgaatta taacaaatat cctgtaactt tgacatattg ttatatatac 420
atgcaactcc tttctcccaa 440

<210> 32353

<211> 251

<212> DNA

<213> Glycine max

<400> 32353

tctatcttgt tacaactagt attctttgcc ctaccaagcc actgttgact ctaacataca 60
tcacaagacc tgttgatctg attgcaaaat gactaacact ctatcatatt acagacacat 120
aaacaatttc aacacttact cttttctctc aaaatgagca cagtgtttcg agagactata 180

tgaactttac aagaatccac atagagagct ttttacgaac agaatttgaa taatgagcgc 240
tccaattcat a 251

<210> 32354
<211> 417
<212> DNA
<213> Glycine max

<400> 32354

tcttatccaa ggcttatctt ggttgtgaac tccttcttcc atggcttatt ccctagtgga 60
tggtgcctcc tctcacctct tctcatttgt cttccgctgc atctccatgg tggaaaatca 120
ccattatagg acctcattga agctgaaaga tccagcctcc atagaagccc cacaagcaag 180
cttccatcac aacctttcca tcctatgtag agatcaatga tattgaataa cccaacaaaa 240
atattagatg gcttacagag atgcaaaaca taacatatat ttgacatatg atcttataac 300
atgctatgat tttggatttt tactacctaa cacatcttga atcttgtcac ctaagtacat 360
caactaaagt gcttgatatc ttttataaag taaaccatcg atacataaat ataatat 417

<210> 32355
<211> 207
<212> DNA
<213> Glycine max

<400> 32355

agcttaagag atagtttagat caaagagcac ttagagaaac aatttgtgag acctagtgtgta 60
gcggtgtcacc ctgcgagtg tgggtgttgt tagtcaagaa gaaggatgag accataaagc 120
tatgtgtaga ctatcgtcag ctaaacaagg tggcgattaa caataggcac cctctgccta 180
gtatagatga cctgatggac tacttag 207

<210> 32356
<211> 419
<212> DNA
<213> Glycine max

<400> 32356

ttatatgatt atgatcatgt aacttatcaa agaaacctac ctgatgcat gcatttttgt 60
tctgaaacga aactaaagaa acaaaggaaa gggagaaaat agaaagctaa gttctaagat 120

acaaaatgcc caaggcattt gtcggggaat tcgaggggag taaacaccag acaaatttac 180
 accaatgagc catgagcaac cacataaggg aatttaacac cacactttaa cccaaaacct 240
 taaggctcaa gtttatgggt cttctcctta cttatatggg gctcaacttt tcaacttcca 300
 tcctatgtgt gctcaacttt tatgggagca aaagaagaag ctccatgctt tgtcatccag 360
 tcagcacagt caatggggat tcattcttcat aacttttgag aagataaaaa gaaactctg 419

<210> 32357
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 32357

ctgcttcgta accttcgtgt ccatatttac atctctgcta ttctctagtt gcgtgactca 60
 tattatatgg gtactaccog tagcatctct ttacttttga tgccatgat ctattgcaca 120
 tatcgctggg acgtctatgt ccgatatgat taaccgttgc ccttcatggg atgggagctt 180
 gac 183

<210> 32358
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32358

tcagctntgt cccaaggct tcatgtagac tcgtccttaa tcgcgaagtg aacctcggat 60
 ccoctgtcaga tacaatacta gaaggaattt catgcaacct tactacttcc ttgatgtaca 120
 actccacgag tctctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgata tactatgacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctcccatt tccattccgg aatctccaat ggcttcaatt 300
 ctcccgatgg tcgttggtgc tcaaccttag ccttttgaca ggtcaaacat cttgctacat 360
 attoggctac atctttcttc atgccatgcc accaaaaact tctcttcaaa tcttggtaca 420

<210> 32359
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32359

agcttgcttc agtataatag gaagcaccaa tataaatatg ttgatgccta ctattgatat 60
atagcattga ccatacatga tactagctag agagaataga aactattgat aatagtacac 120
tccataggta gtaaaccaca aaaaacttta gtggcttgca taactttagt taaatttagc 180
ggctnttaat gcttatccta tatatattat aatgacataa gtatttctaa cttgttacct 240
cctaagagat tccctttgga gtccttactg gtnntgtaat cttttaactg aaacattgca 300
ttttggccat gacgttgata caccgttgac tattttttat aagctaacat t 351

<210> 32360
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32360

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taattcagaa tcaacttaaaa ttagtgagaa aaattagttc cgtgaagaaa atccaagccg 120
aggcgcttcc gtaacgtttc cgttgggtgat ttcgcgaagg ttttcgatcg ttcttcgacg 180
ttcttcattc gttcttcggt cttcaaccgg taagtccct agatcgaact tttcaattca 240
ttctatgcac ccttagtggt cctcatttgt ttttactgct tttcatttac attttattta 300
ctttccgtac ccctttttga cgtgcttttag tcatttgctt aagttatttt ctgcgcta 360
caaaaaataa aataaatttc caccgatcat ttgaatcgta atatcccgtg atttctgtta 420
aatga 426

<210> 32361
<211> 234
<212> DNA
<213> Glycine max

<400> 32361

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aaacaattga caccatatat agtccctact attctctact tgcattgact atattatttg 120
ggttctaccc ataagatcca atttactttg aatcttctga tcaatctgtt atagtgggtg 180

gaggtatata tccgttatga tcaattgctt caaagcattg aaggggagct tgag 234

<210> 32362
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32362

tggtgtagta tctgttcaaa tgtttaagan ttatggagac cgaagccccg aggatatagg 60
tcaccggata gtgacatcag cagcatcaac agggaaacat atgtcaagggt atattttag 120
tatctctttc tctatctata accacagaaa cactaacgca gtgttgacta cttctagggt 180
tattttgaga attttgccaa ttgaagtctc atgttatgct tcaaaggagg aaatttcaag 240
aacaatcaag cctcttgtgg aacagtactt tcctgtggaa actcaaaatc cactcaagggt 300
aatactatct attagtgttt cagtttgtat tacattttat ttttagcatg cattccacac 360
tacacaaatg ttttcaatgt taatattatg aaattaatat agctgggtac gtatatttat 420

<210> 32363
<211> 280
<212> DNA
<213> Glycine max

<400> 32363

agcttttatg ttgtaattat ttcttatttt ggattgttga accgtacaag cgatatcctt 60
tccaataaaa atctatgtgt atatatgtgt gatgtgccaa cgcgtcggag tggccacgac 120
tcgagagctc tatggtatgt aattcattca tgaaagaaaa tgagttaaca gtgcagtgat 180
tattttatga ctgtatgata tacgagaaaa tgatcatgaa agaaaatata ttataccact 240
tacctaattt tatgtatata tttatacatt taatttcattg 280

<210> 32364
<211> 432
<212> DNA
<213> Glycine max

<400> 32364

cgttggttggg ggtgatatta ttgaagagtc cttcaaagcc ttctacagaa atatcttggg 60

ccacatgagc ttcgttcaag acctttacca gcaaagcccg atgaggctca gagctcatga 120
gtaattccaa aagagagacc ctggctgggg ttttggtgag ttgttcaatg accttgaact 180
cactctgctg aataatgcgg agaaactcgc ttgcttctc tagcgacact tccttcttgc 240
cacaaccatc ccttttctct ggaagacctt tcaactggaat atcctcgctt ggagtggagg 300
tcgtcttgct attgtgctct tccaccatat tttcctttcc cttaacattt gcgggctgctg 360
ttggcaggct ggggggtgca aacacgcgcg cgctgcgggt cacaccgctc agccccgtga 420
tattggttac ct 432

<210> 32365
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32365

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc cttagaagc tagagcttag 120
ctacacatac ctctataata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc cccatgacaa acaacatgaa aataacacac 240
aaaagtcctt attacaaaga caactcanaa tgccccgaaa tacaaggcta anaccctata 300
ctactagaat ggccaaaata caacgcctag acgaaggaat annctattct aactattaca 360
aagataagcg ggctcact tagccc 386

<210> 32366
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32366

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tgagaaacct ttattcaaac ctttcaaagt tagtgagaag gctaaaagaa aaattagggg 120
acttagaaaa actaaatcct taattgaagg cgtaggtgac aaccatagtg aattactaaa 180
caagattggg agtttactta aagtcattcc cgataccccc caagcctcgg aaaatacttc 240

<223> unsure at all n locations
<400> 32369

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ccgagactga ggataattgc actgtgtgcc ttctacagta gtgttttctt atccgcatca 120
gccatcatct tttttgagtt tggcttctcc atcaagtgt tctaccaggc ccctgtgaac 180
aagaaaggct ntcattctca attgccata 209

<210> 32370
<211> 429
<212> DNA
<213> Glycine max
<400> 32370

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ctccatggtg gacttcgtgt ggcggaagcg ccgcgccctc atggcgcgct ccttgatcct 120
ccccgtcgag aatttccgcg ccaccgtgtt ccccgtcgta tactccgtca aggcgtggc 180
ctccggtggc gtcgaggtca ttagaaaact ctccaaggct tcctctacct ctgcatccaa 240
tgcggatgct gaggttgatt cccacgcgga gaagctggtg ggggtttctg atgtgctcac 300
tcacctggct ccgttccttg tttcgtcgtt ggagccggcg ttgatctacg aggttgggat 360
caatatgttg tatctggctg atgtgcctgg agggaagcct gaatgggcct cacaatcgat 420
cattgctat 429

<210> 32371
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32371

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ggaagcagct tcatatgcta gcgtgactag gaatgtggtg atcagattca ttaagaagga 120
gataatctgc agatatgggt tgcccaagaa gatcatcact gataatgcca ccaatttaaa 180
caacattatg atgaaggaaa tgtgtgagga ttcaaaaatc caacaccata atttcacgcc 240
ttattagcca aagatgaatg gngcagttga ggctaccaat aaaaacatca agagaatcat 300

ccagacgatg actatgtcat ac

322

<210> 32372

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32372

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tgaaaccttt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga agtgcctcgg 120

cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaggagag agaagtgcct 180

aaggggctgg acccctttct tcttcatttc ctcccctatt tatagcaaaa taggggaggt 240

ggttgccgcc cagctcgccc aggcgagctc agctcgccca ggcgagcagg gttgcttctt 300

ccagaagcaa ccgccttctg gaggaatatt ccagagggcc caagtgggccc tgggtgctat 360

ttgcaccnc atctttacta agtacaccn cctctgctgt ttttgggtga ttctt 415

<210> 32373

<211> 392

<212> DNA

<213> Glycine max

<400> 32373

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tagttaacca tgcattaggt accatgttca attattttgt ttttaagtga aacgggttta 120

tgatcccaac atggttggtc cgtggtgcct aacacatgaa actaagaatg tagtgtgaag 180

tttcacgctt cccctttttt tgtttttgtt ttgtagagga aaacgcaagg atgagcaaac 240

atatgcaatt ctgcagacca cacagtttgt tgaacgcata tgcattgatga tgccatgacc 300

atgcaaaatg tgaggctgga atatgataac gggacaatgc acgatatgtc cattatgatt 360

gtatgaagag atgcttatgc gatgcttgat at 392

<210> 32374

<211> 380

<212> DNA

<213> Glycine max

<400> 32374

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acaacttttt gaaaaagttg aaagtatgcc aattgtactt gacaagtctg agttcattct 120
aaagatctcc attctaaaga ataattctta ttagcttctg aaggtatatt agaattgcat 180
tctgatgttg ccattctgat gattagtttc tgattagctt tctgatggtc tctcaaatac 240
attttgatgt tactgaggaa ggatttcttc taatatacgt tcctttcgat gaagataaca 300
tgatatgaca atgcagatag ctcatctcca tcaaacccaa cacttcattt aacatagatg 360
attctgaagt agcatacttt 380

<210> 32375

<211> 232

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32375

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cgacatatct ccaggcacca ctttgcggtc aacaaacaaa agtaggaaga ctgactctta 120
cacgctattt gacatcaagc ctcatctgat gatcgcgggc acccggcata tgtggtacta 180
cgtggcgata ggcgcatggc gcaactcaac tctccgntt cacgagtcaa ac 232

<210> 32376

<211> 427

<212> DNA

<213> Glycine max

<400> 32376

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ttgctggagt taacaatggt gggttgtaatt tcgctggaaa gcaccttttc tctaacaag 120
tgacagttga tctttctatg cttttgatct tttcatgtgt ttgtctccca attttagttg 180
ttggagtagt tgcctaagtt ccataagctc acatgtgact attgccatag aacaaaatcc 240
aacttttgca ctggatctag taattatggt ttccttattg ctcttccatg atattaggtt 300
tcctccagca agaacacagt atccttaagt ggatcttgtg tctaagggtg acctttccca 360
gtcaacatca gagtaatgaa tgatcttttc attgcctttg tcctcatgta ataatccttt 420

acctagt

427

<210> 32377
<211> 315
<212> DNA
<213> Glycine max

<400> 32377

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ctccctacga ttttacctag tgagagtgac ttgacttacc agtgtgtggt atgtcttgtc 120
ctacgcgtcc gacaggattt ttcactgaca tgggtaccaca ttgcatatag gatcgagtct 180
tagtatattt gttgcataac acttgtgtat tgatcaatat tgattgggtg agtgatatcg 240
tgtcttgatc cttaagtacg tgaatgatgc gaaaatatgt gacacgcgta ccgtcgagat 300
atgatgttat gtgat 315

<210> 32378
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32378

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aanannattc aagtgaggga cncgagttat gtctctttta tcacacaaca tttcggggat 120
tattgtggaa catttcccga cacaagaatg tgcggtggtt gggcatccat cctcaagccc 180
atctccccag ctatttgatg taattcaaga cagaggtggt agaaatcgac ctggcctctt 240
ttctcatcca tcggtccttc actatttaga acccaacaca atctctcttt ggctatcatg 300
ccacctagcg tcttttatcg atcgatatcg atccgtatag tggcttccat acaggcccta 360
atactattct gattcccaat agcactattt tctgtcacag tgcggactct gagcgcacta 420
ccttggttat ccctaactgc ctgcaacggt cctatacact gaacagctca actcaggaac 480
ctgacccttc tct 493

<210> 32379
<211> 248
<212> DNA

<213> Glycine max

<400> 32379

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ggtgttgacag aaagctctaa gcgcagcttg ccgcgctaag ccccaaagtc ttacggggatt 120
ttacaacttt gagttgggct tagcgcgacg ctaggctaag cgctagtgtt ttaaactcaa 180
acttcacgtt ggcataataa gccagctga gcgcttttagc gcacatacga atttcagttt 240
ttaaatac 248

<210> 32380

<211> 407

<212> DNA

<213> Glycine max

<400> 32380

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ctatagaact tgagagtgtg aatttaagca tagacttagt ctatgcttaa attttcattg 120
tggctgaaca actgaaaata tgtcacaatg aaaatttaag catagcgcttg tgaatttaag 180
catagactta gtcgatgcat gatccttttt ttctctgaat aaccttagca taatgtttta 240
tagcacatta atctgtgtta agctgcattt ttcttataac atttgaaggg tctggctaca 300
ttgagcacat agatatactg atgtagtaga cttcacctca ctgggaagac ccataatct 360
acgcaaaaat aagtttgatt ctgcatttac tatccagga ggtaac 407

<210> 32381

<211> 217

<212> DNA

<213> Glycine max

<400> 32381

agcttggaga aaaacttgaa gatatactgt ctattacata cccaactcct ttgagtgata 60
tttgcaattga ttgttataat gaatgttgca tcttagccca tatcatatct ctcgatcatc 120
atgcctcatc aggagtaagc gacaaaacca ttcttatagt tagaacatgt ctctctacaa 180
gacacacctc tctgttttaa ttgactacca ccttatt 217

<210> 32382

<211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32382

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 tttgtttact ttttataccc cctgttgacg tgcttaagcc attttactta agtcgtttct 120
 cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac 180
 tttggttaaa atcaattccg actgttcggt cgtgccgtaa ccacgttgga aatcaaaaag 240
 aggtaaaaaa taatataata atcaaaaaga catcttttag tgaaataaag cggaaaatca 300
 attggacatt ttctcttttg gatttctcat tcttaatoga attgattaat aactaaagtg 360
 aaactaaagg ctaaaatcaa tccacctagt caagctcgtc cacaaaaata ggcttttg 418

<210> 32383
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 32383

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 tggaggaatc ttctggaggg cccaagcggg cctggctgct atttgcaccc ccatttttac 120
 taaggacacc ccccttttct attttttctg aactcttttt ctgtaacggt acaaaactct 180
 acgaacttcg taacgatact tatcttttct tctgcaggct acgaaccctt acgacttatg 240
 tattttactct tttttactct caaagaagtt ac 272

<210> 32384
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32384

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 ttcataatta cgcccgcnct angatcctgt gactcactat acnccanata gaatagtann 120
 ggggacctta gagtaacctg tagcagccac atatttcttt aaattaacaa aaaatcctat 180

gagcatatga aaaaggcacc cacacaaaca gccctgtagc gactaatcta aattcacata 240
 acccaacaat aaccaattat ctgactcccc tccccctca ccgcaatata cggacacaac 300
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 actatcatct aacaccaata agttactcaa acaaaacttc taactcgata ctagtactca 420
 cactaaatga aaaactatta attcaacaat tagatttaaa acatctaate tcacgaatct 480
 taacaaaata atcttgatac ccgagtcac c 511

<210> 32385
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32385

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 cttcatgatt tacattctcc ccctttttga tgatgacaac cacctgtacg ttaggagcaa 120
 caacaaagaa aatatctatt tgcataatcc cactccnctt tggttttaca atgattgctt 180
 atatgagaca attgacagat tcataatctt catatataaa aagttgtctc ataaaaaata 240
 gataatcttt tcttattatt ttatctttta tctttctctc cccctatgtc aacatcaaac 300
 acacatcatg aatagagagg agaacaatgt tactacttgc tgtaattgat gagactcaag 360
 tgataccaca ggcattacac aaatcattca atattgatc 399

<210> 32386
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32386

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 ggaatggaca agaagaggag ttgagaggag atgccactcc aaggacaaga tgagtcaaga 120
 ataatctcac caccatggac tctatcttct gcccaagtgt cacacaaaat cggagggaaa 180
 tctgaatctc tattcaaatt tcacttgaat ttcaaattga atttntggag ccaaaatttc 240
 actaattatg attagtgaat gttagctatg gttcagccca ctaatccaag atcaagccta 300

cactcctcca ctaatatgct tacgtgtcat gaggcattgta aagcatgatt gatgtgcaca 360
aagtgtgact atatgatgtg gcaatggcgt gtagcatgca catgctcacc 410

<210> 32387
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32387

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agggtgaaga gctgggtggt tttggtggca atagagtagt gaatgttgga gaactcggag 120
cggaggtgac gaacggagga ctatagtccc ccagcacaaa tctaagggtg acaaactcta 180
tttaattatt ttcctttgtc ctttgccttg accgtcatca agaccaataa aaaaatggtc 240
ctctccattc tcgttgtcat tcttaccatc gaaaacattg caagcgaaga accaccatca 300
caacaagcac gactcagata tgagaaccac acatatccag atatgagaaa tagtgagaac 360
cacatcaaga tctta 375

<210> 32388
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32388

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tcctggaagg cccaagtggg ccgggccttt ntttgctgat tctttttccg taatgttacg 120
gaactttacg aattccgtaa cgatacttgt tttccttccg taatgttacg gaaccttatg 180
gattacgtaa tcatcccttt tttggctttc ggaatgttac ggaacctcac acattgtgta 240
acaatgcttc cttctgattt ccggcatggt acgaaacttc acggatcgtg caacactccc 300
tcttttgact tcggcacggt atggaaacttt acgtattgtg caacaatggg tgccaagtac 360
ctogaagcgg tcaagatgca atccaacctc ncaagggcat tggatagaag actccaagaa 420
gaatgagccc cagatgcaag agaacgcctt anggttctca tgacc 465

<210> 32389

<211> 356
 <212> DNA
 <213> Glycine max

<400> 32389

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 tcgcaaagtt ctatgactct atcttaaata aattataact ttctagtata taacaatggc 120
 agaaagacag attgttcttg cctttgtttc ctccccacac tggccaaatc acgtgatgat 180
 ggatattgac ccgagtatat acattttggg gcctaacgct aaaaatattt atgggatctc 240
 tcttttacia gaattttaga gaaacttact atatcatata aaatatcaat ctttctatcc 300
 ctctcttaat gttttcagct gcatattgcg acattggcta aataacatac cttacg 356

<210> 32390
 <211> 128
 <212> DNA
 <213> Glycine max

<400> 32390

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 cgcgtgcagt agccctcata tctataaata atatgtggct gagaacaggg gactctactc 120
 atcatgat 128

<210> 32391
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 32391

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 tgtctgatga taacaacaca cttgtacaac acgcacaacc actaaaaaca tttttatccc 120
 gcctacctgc cccaccgccc ccgttacaat tagacactat attactacca aaaactaata 180
 cccacttacc cagctattag aggcgaaact tctcctcaaa aaccattact taaatataac 240
 taacttaata caaattacac cccttagacc gaacatacag accctaccac aaattgaaga 300
 gaactatctc cttatcacac aatagattaa aaatcattcg agccctacga accctaactc 360
 aaatgattct tcacactgca atccaccc 388

<210> 32395
 <211> 612
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32395

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acntaactac actatactat atctcacnta nnnntaaaaa ccgccgcgcg gagnngnttg  120
gtagtacatc ntcgactact acagangaat tctaacnctg acgcgaggat cctatagagt  180
ctacctgcac gcatgcatac ttgtataaag atatatgtcc gatctactat gcaacgatga  240
agggctttac aggatgaatc gacaacacca ataaagaatc gactgacgca agctaactga  300
tcaaataata cctgccacgt agagcaatag tagttaaatt cccgcccccc ccgcacatcg  360
cattgctgca aatatggagg ataaagctca gatattcggc ccaataacat aggaaactta  420
ccatagcaat gtccaaccac tggcttacta actccatctg tacgcatac atgacacctc  480
cgctaaatct cgtttctatc cacaaccgag tcataaccaa gcgcccaataa tgcgccaccg  540
tccgtacata acctcagttc tcgttataca aagagaccca ccctaacagc agacatccac  600
agtctacaac cg                                                         612
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<210> 32396
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32396

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gaggaagagg atctcttttg gcatcttaac ggaccctctg ttgagggtcg agagccaggc  120
ctctctatgc agatcattct cacggacagc tacgctcaga caaactctga ctgagatccg  180
tcatgccata agagacgata ctgccactta cagttttaat gcctcatgac atattgtaac  240
tccccaacat gcctaattct aatgaccacc ttacctaaat tacttoggac tatccgcata  300
gaacgaacac tttataggct gtccaacccc cccccgaca cactacatgc tataatagtt  360
aanatcctaa cataacataa taatggacga tcaatacctc tatatgaaaa tcacccatga  420
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caccccccg acaagcgata tatctatcga aacttgact cttactcacg aaacgccatg 480
gtgtcttccg accg 494

<210> 32397
<211> 369
<212> DNA
<213> Glycine max

<400> 32397

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ttaccctcgg aagcaaaata aaaaaggggg agagggacaa tttccaatca aagaggaagc 120
aaaaaaggag agaaggaaaa ttttcacccc acgaaaagaa gagaggaaag ggaatttcca 180
atcaaagagt gcgagatagc aaaagaaaag aacgaaattc ccaatcaaag atgggaaaag 240
aataatgaga ggaggagaag gaaagaaact cctgacaatg atcgacagaa acagagaaat 300
ggcagagagt ctctgaccag acatatctga acaatacaga attgtaccaa tgaacaaaaa 360
aagaaagga 369

<210> 32398
<211> 409
<212> DNA
<213> Glycine max

<400> 32398

tgcttgtgga gcttctatgg aggttgatc tttgagcttc aatgggggtcc tttaatggtg 60
attttccacc atggagatgc agcggaagat aaaggaaaag aggtgagagg aggcgccatc 120
cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
gcttggagat gatgcttcaa tggaggaaaa gaaagagaga ggggggagca cgacattgaa 240
ggaataaaaag agggagagaa gtggaacttt gaagtgcgtc tcataagaat tctctcatca 300
tagctgcaca agtggttacac atgcttctat ttatagacta cgtagcttcc ttgagaagct 360
tctttgagaa aacttccttg acaagttaca gcttagctac acacaccca 409

<210> 32399
<211> 206
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32399

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cactgaaaac cctgnaagtt atcatgtctg aatccttcct ggcacatttc attctgtgca 120
ccctatctca ataatatata ctcctttccc tctcccacaa cacacataat gataaatggg 180
ctattaatga attgatgacc atgtgt 206

<210> 32400
<211> 368
<212> DNA
<213> Glycine max

<400> 32400

tgctccaaat accaacaatt gtctcttact ttgagaactt ttacaatatt cgattttcaa 60
gattcaagat gatggcacta tgtgccttgt ccaccattgt cttcctttat gtttcaaaca 120
ttttgttctg aatagctttt tctccaccca atatctgac aagatcttgt gtaacaagca 180
acacctacat cttcaatctc tatattccac aatcattttt tcttgcgaat ttctccacat 240
cagactttgt agttgccata atcaccttgt tgaaccaacc ttttagatac aatcgggcgc 300
caacacttgt cacaatcaca actatttgat taacttcacc caaataaaac ttactctatg 360
ataaaaaa 368

<210> 32401
<211> 373
<212> DNA
<213> Glycine max

<400> 32401

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ttaccctcgg aagcaaaaaa agaaggaaaa ttttcaatca aagagaaagc aaaaaaagag 120
aaggaaaatt tccaatcaaa gagggccaca ccacagagag aaggaatatt tccaatcaaa 180
ggaaaaaaa aagacgaaat gaaattccca atcaaagagt gggagaaagc gaatagataa 240
gaaagaacat tccaaccaa agagtgggag aaagtaatag gaaggaaaga aagctcctga 300
tcaaggatcg aaagaaatca gaagatatgt gcagaaaggt ctttggaccg gacaatatct 360
gtacaataca gaa 373

<210> 32402
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32402

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 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagagcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatac gtaacacttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct cattcgtcan caagccctg actttgtgaa 300
 gttacattga atccttcata acacaactga ctgatgctga tc 342

<210> 32403
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 32403

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 aatcgtgatg acaaagggtga tgacaaaaag ctcaaagatc aatcaaagaa caactaaagt 120
 gaaccaagaa caattcaaga gtcccatca gaatcaagat gagttcacgt ctcaagaaga 180
 aagtctagag acaagaatta agattcaagg gtcacagatc tcaagaatca agatcaagat 240
 t 241

<210> 32404
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 32404

tcaccactat ctcttgatgt tacaatagtt gaccatgacg gacttggtag cgtactcgac 60
 acgagagaat gacgttggtg agcacgggga gcgaggatcg aacagtgcta actgatgcac 120
 tactacaatt tatgatataa cgattgacgg ttaacatgag ttattcaca aagcgatggt 180

aacaaaagcg cggaggcatc attgtagtaa gaatacttac tgaacatcag ttacgtgcaa 240
gaacctttat gtcttctaga caaggtaaga gttttacaaa aaatcctttc tctcttatga 300
cagaaccaca aactgagtt gatgccagt tcaataagtc atcttgatt 349

<210> 32405
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32405

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ttgcgatcat ttttttctat tttttctaatt ttgctttttg cttgatcatt tatgaggaaa 120
ttagttgtga aagataatga atcaaaaact acatatataa aaaatgattt taaaaaatta 180
tctcaaaaaa ttaaagtcaa aacttttgac gacaataata aatatatata tatatatata 240
tatatatata tatatatata tatatatata tatatatata tattatctat catgatttat 300
agtatattat aataagacta gaatatatat tcttattact tcattcttct ttaccaagag 360
atataaaaat actctctatt atttcattct ttattactaa atgtacatac t 411

<210> 32406
<211> 453
<212> DNA
<213> Glycine max
<400> 32406

tcagatactc ttgcacatca gtggcagcca tggttataag tccaatcaga accttctttg 60
aatctgcctg aatgagacac tttgagagac agacatttcc atatagacta gccatagcct 120
caaggacacg ctcttgaatt agtttgttgt cctgaggcct taaaagagtt actagaatat 180
cctctatctg agttgcatca aaatgtttct catcaacatc aactttttcc tcaaagacca 240
tgagtgtata agcaagagcg ccaattatat caccaactgg tgcttacggc gaggagaacg 300
gaaagttctc caagatatag tattaaagca gacatgccac cacagatatt ggctaaagct 360
cgagttgcat gctcctgcag agcctggcca ccatcaoctt gcatacactc attagaagga 420
gcaactatag cttccataac gattggaata cca 453

<210> 32407
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32407

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 tttatgggta acactgtctc tagaacattt ccattggatt taatgatgga atctatgcat 120
 tttcaggtga aaaagaggct aagttttgca cgcaaaaagt agcagttggg ctaagcgcat 180
 atccaccgct aagcgtaaag gagaatctgg cagagcatca acatcaaagt tgcgcgctag 240
 gcgcgagatc agtgtgctaa gcgcagcagg tgccttcagc caggcttagc acaagactag 300
 cgctaagcct aattccactt actcgcgcta agcgcgaggg tggcgctaag cgcaagggtca 360
 tgaattntga gcctatttaa agcctgtttt gtgcaaaatt aggggtacaga caca 414

<210> 32408
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32408

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 ggagaggggt accactactg gaaaaccoga atgcaaattt ttattgaggc aatagatcta 120
 aatatttggg aagccataga aatagggcct tatataccca ccacagtaga aagagttaca 180
 atagatggta gttcatcaag tgaaagcata actatagaaa aacctacaga tagatggtct 240
 gaagaggata gaaaacgagt acaatacaac ttanaagcca aaacctaata acatctgccc 300
 tggaatggat gaatatttca nggtttcaaa ttgtaagagt gctaacgaaa tgtgggacac 360
 tcttcgatta acacatgaag gaactacaaa tgttacatga tctcngataa atacactaac 420
 tcatgagtat gaattattta gaatgaat 448

<210> 32409
 <211> 149
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32409

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ttcgcaatat ctaattctac tcttaagtta agtaaaatgt agttttcaat acgtgagatt 120
atctgttttg gttgatgcaa gctgatgat 149

<210> 32410

<211> 103

<212> DNA

<213> Glycine max

<400> 32410

tattgtacaa attagtttgt aggacatagt tgtgattcgg acttgtcgca acctaccctt 60
cggcgggagg gcgacgcgag attcgcggtt gcctcttcca aca 103

<210> 32411

<211> 466

<212> DNA

<213> Glycine max

<400> 32411

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aaatgagcta tgaaatctga agtttaatat tcaaattgatc aaagttgata aaaatgcaca 120
cacaatgcct ctatttatag cctaagtgtc acacaaaatt ggagagaaat tagaatttct 180
attgaaaact cacttgaatt tgtggagcca aactctggag ccaaaatttc tctaattatg 240
attagtgaat tatagctatg gctcagccca cttaaattcaa gatcaagtcc aagattccca 300
ctaactatgc ttagtggcat gaagcatgta aagcatgaag cacatgcaca tagtgtgact 360
atatgatgtg gcaatgcggt gtagcaagca aatgcttacc ttccaattca attaaatcta 420
tttttcaaca cacacatcat atattcactt aatgcatgtg aaatta 466

<210> 32412

<211> 411

<212> DNA

<213> Glycine max

<400> 32412

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catgttataa cacattgtta actaggaaaag ggtgggttctt tgggcatctc atctcaatct 120
cataattaca tttgccatgc atagcatagc gtgcoctaatt cattcatctc tatgatatgt 180
tgtcgaagta ttgacaatca aaatttcaat tcttggaatt atgggggtcga accaagcaca 240
tgcttttaag aaaagggtttt catcaagtca aaatcaagta tggaagtaag tatgttgcaa 300
aagttggggc agaagatgga tcgagtttac atagcttctt tggctactac caacacatga 360
ttgagctaaa taattttacaa aaattaagga cttttgatgt ccatgtttta t 411

<210> 32413
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32413

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aataaaagag ggagagaagt ggaactttga agtgtatctt ataagacttt cattcatcaa 120
agttacaaca agtgttacac atgcttctat ttatagacta cgtagctctc ttgaaaagct 180
ttcttaagaa aacttactta cgaagcttct ttgagaaaac ttccttgaga agctagagct 240
taactacaca cacgcatcta aaaactaagc tcacctcctt gagaagcttc cttgagaagc 300
agagcttaac tacataacct ctctaataac taagctcacc tacttaagaa gagaagctag 360
agcttagcta cacacccta taatagctaa gctcaccctt atgacaaaat acatganaat 420
acaaaacaaa ttctactaca aagactactc acaatgccct gaaatac 467

<210> 32414
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32414

agcttctaag ccatcatgac cctcatata agcaagatca gcagtagtgc attcatcagg 60
atthttgtgga ccaaatttgg ctctgccccca gcagacaata gagttgcaac cactttctcc 120
ctgaagatac aaatattaaa tcaaatcata agaaaatttt aattcaaagt tcaaacagtc 180
tacttttccc aaaatcatgc taaatccaca ttgattatgt taatgtgcac ctttatgtag 240

ggaaaagaga aacagaaaag aacatgaatg gtgaaacat gtcaaaaaat gattgtagg 300
tcaatgtagt tatagaagg ctaatgggtt aaacaagtgg gatgtttgtg tattatacct 360
tccacaatat gttgcccaat gaagagctgt ncatccacac ctatcac 407

<210> 32415
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32415

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tgaggcaaat ggagagaatg agaaggagg aggaacccat gctgtgactg tcgttcctag 120
atggccaaat tccccaccag ctcaacaata tcaataactca tccaatatta gcccttctca 180
ttaccgcgaa ccctatcaac caagaacact caatcatcca caaaggcaac ccctaaatca 240
tccaatacaa aacaccaccc ttaacataaa ccaaaacacc aaccaaggaa gcagttttca 300
ccacagaaca tgtagaattc ccctcaattt tgggtgtcgtg tgctaactta ctcccatatc 360
tacttaataa tgcaat 376

<210> 32416
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32416

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gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gtcttatgag acacacttca 120
aagttccact tctctccttc ttttctactt caatttcgtg ctccccctt ctttctttct 180
tttctctat taaagcatct tottcaagct tattatccaa ggcaattctt ggcggtgaag 240
ctccttcttc cttggcttat tcctagtgg atgngccta ccctctctc ttctcctttg 300
ccttccgctg catctncatg gtttaaaatc accattgaag gacctcattg aagctcaaag 360
atccagctc cataaaagct ccacaatca 389

<210> 32417

<211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32417

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 aagacatgtt aatttaattg aataataaat gcgagtcttt attaggaggt gtgattaatt 120
 catttaatat aataaatggg cggattattc acggagtagt tgaagatttg atttattcta 180
 gactattact ttttgttgaa caactgacct caataactta agaggggggtg aattaattaa 240
 attttaaaat tttcccgcta acaaattnta accccctttt aaatgataca tctgtccact 300
 cagaatgcag aagaagaaga agaaacaatc aatttaataa tgttctttta aatgcgcaag 360
 acaaagtaaa ctgcaataaa ataactgaga taagggaaga gagaatcgca caatcatttt 420
 atact 425

<210> 32418
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 32418

agcttttcga ttcattctat gtaccgtag tgggccacat tgtgtttcgt gcatatttat 60
 tctcgttttg tttacttttt ataccctcct tttgacgtgg cttagccatt ttaactaagt 120
 catttcttgc ttaacctaaa aataaaccct tcccaccga atggttgaat tggattatcc 180
 attaacctcg ggtaaaatca actccgaccg cgttcggcca tgccgtaccc acgttggaag 240
 ccaaaggagg taaaaataa tataatattc aaaaatatct ctttatt 287

<210> 32419
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32419

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 tgtgatcatc tttttctctg tcattgaagg tgccacttga gctgtcaagt ccctccacct 120

ctgggcgat tccctgaatg actcatgctc ttttttacac atgttttgta gttgcgttct 180
atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttaagtcctt 240
ccaagaatag actcgggaag gctccaagtt agtgtcatac cctaattttg ctgcgcgatta 300
ttacttgcca catgcaacct ttgattgccc gtttcaagat acttgccgac ctttggttga 360
caatatgtaa gtcttgagac gcaccggaag tcacaaggag cagggttatg 410

<210> 32420
<211> 404
<212> DNA
<213> Glycine max

<400> 32420

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cacctctaata tatttccacc gcacaaaatc tgcactataa agtccatcac ctctcttgt 120
attcaccaaa tagactatta gaccacaggt ccaagactga cctaatacac actttataat 180
tatttttttt tegtgttggc atatttcctt tttctaaact ttttgcctc ttttggttg 240
tggcagatcc atgagccaga atacaaaatc acattcatgg gccttcgttg cagatctact 300
tgggttgaat tcattgatcg tgtcttatat tacttttacc ctctgtttta tgctttgtct 360
taccctttgc ggaaccatgg ccaataaaca tcttcaacga ccat 404

<210> 32421
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32421

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gatgttatca acaactcaga ataattcttt tttggccatc ctctctttt cgaactagcc 120
aatggaatgt cattataggt acatgaccca ctttctattc gatgtatgtt ctttcaattt 180
gaaattgggt tgagatctag agaaaaccaa caactaaact caccatgta atgtactcca 240
tttatttaat gtgcttaaata tatcagttct taatttgaga tatagtctct attcaatgat 300
tnttaaaagt atattgtatt tttcaattaa ataaaaagct ataaatttat ttctgaatcc 360
taatcaatat ctaattctcg tgttgctctt taataacttt tctttttcgt tgagccttac 420

ttaacacaaa tt

432

<210> 32422
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32422

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acagttaaca accgtcttta tatctaattg cattgaaagt taagactttt cagcacagtt 120
ctcacaaaac catcgtagaa aaccaactct cctaagacga ttcttttgta agaaccatct 180
aagatagtat atattctaaa aagaaccgtc ttacganaaa atcatcttag aatgtatacc 240
ttctaagacg tttcttaaaa agaaccgcct tataatgttc gatcctgtag agaatgaatt 300
ctgtggctac acttactagt gacaccagtt cgtaattatg tggttacacc aacatttc 358

<210> 32423
<211> 284
<212> DNA
<213> Glycine max

<400> 32423

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tctaattgact cttctgttga ctgcacatat tgcataagagg atgggctgct cacctagacg 120
tcttcctcgg ctgatacgat gaccagatgc acttccacta cgaatatgaa ctcttggtgg 180
agcgtagagg gaacaaatct cactgagtgg atccacgggc gcccacacag acatctgtaa 240
gggggggcta atatcgatta tatggaaagt aacttgacag gtgt 284

<210> 32424
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32424

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atatggagaa aaatgtgttt ttagtcttta ttttttgggt aaaatataat taagggttct 120

gtacctttat attgataaat ttaattttcc caactctaaa cggcgtgtat ttaatctctt 180
 ttattttctaa gatttcatta tatttttttaa agctattata tccataaatt gttaatccca 240
 tcgatactaa tttcgatcta cttatacaaa atctcgattt aagctgcgaa agaaaaaaat 300
 aacatgtaat cgagagacaa gattctctag aagcgattag tcacttatac aaagatcaat 360
 atcagcaaaa ttagtgaata tttcatataa atactatgct aaaat 405

<210> 32425
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32425

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 cagaaacata atataataag agttcttatt taataaatat ttttaattaat tatatactaa 120
 tacatcctaa ataagtaaca gggactgcta gctgcaataa cgtgtgtcga tgaagaatgg 180
 atattgttgg atgcctgcta cattagaatc gcctatggcg ttgaacgctt atttaatatg 240
 aattttataa taagcgtggg aaaaatatta atttataata atataaagct tttnttcgca 300
 gattacatgt accattacaa taatttaata cacatgttgt aattatagag aaatacatat 360
 tcgtattcat acataggggt gagaataggc caggccaggc tttgaaaggc ctgagcttag 420
 cctacgatga atctttgagg catgagcctg acctatagac ta 462

<210> 32426
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32426

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 gcacccctcta cctccaaatc ttcaatccac tcgttaaact cctttatgct attatctgcc 120
 tctcctcttt gacatctgcc gatccttctg gaagggttct gacanttggt aaatccccc 180
 gaatgcacca caatcctcca ttatgagaac tttntagttg ctttatgttc tcccatagac 240
 ttctcttgct ctgaacatca caagggtgaat aaatgtttac aatatgcacc tggtagagccc 300

tcttaagcca ttgacctacc aataagataa agcactgcct atgac 345

<210> 32427
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32427

tgcattngga atagcgaaag cccactcca tcattaggat tagtacctga catctcanac 60
 aaacaaatca aacgtaacaa gacaattata gttgttggtt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaaacactc ttgcctttta ccaactctaata 180
 tcccccttgag ttcttaagca attcaagaga ttatggccac agcaaagaac aattcaccaa 240
 tatgtgtaag gtaaggctag agagacaagg aaaagggttaa ccaagaaaaa ggctaacctg 300
 cctctaggca caatgaagga aataaaattt agaatttaag aattcaagta acaatccttc 360
 atacaaccaa tatattacct tanagagatt ntttttttta aaacanaagt tcttcaagca 420
 tgaaccattc 430

<210> 32428
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 32428

agcttggtcaa gtctccagc ctggacaagt gttgttcggg ctgcttctgt caagttgttc 60
 aagggtggaca tgcttttggt tttgcatgtg aggtctaaca tgtcaggtga gggaagcctg 120
 tatatttggc aactctgtcc ttttctaact ctggagaatg cattgaagac aaactttatg 180
 ttttgtctgt taatgcagtt gcgtgtagtg cacacgtagt actcttgac acgtgtcact 240
 cgtggagtgg gcacgtacta aatacgtgtt gcgtgggata tgaagttgtt ttgtggtctc 300
 ctcttgccag tgaccaccgt cacttcaaat ttctatcttc tttctctcga agtataagtt 360
 ttccctcacc tacacagcaa gtgtcgtgc agacgccagg tgaagctagc a 411

<210> 32429
 <211> 469
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32429

tctagccaaa tggacttacc ttgaattaat tcctttgata gtccttttg agccttgttt 60
ccctttcctt gttttgaagc tcactacaag ccttaagtga aaaaccatga tattaccata 120
tccttaagga attttggagc tttggaattg ttttgggaat aagtgtgggg ggttttttgt 180
ttcattggac aacttgtttt gttggctatg cttcatgatg tttttgggc catacttgat 240
gtacattgta tattgggttaa atgttggaac tgctgaatga aatgttgttt ctcanagctc 300
cacagtaaaa aataaaaaaa aatcgaaaaa aaaaaatcga ataaaaaaag aacaagaaca 360
gcaataaagt tgagtgaata agatcttaaa tggcacaaga atgatgaaac tctcggctct 420
actcttcatg gttacatttt atctttactt ctctttattt ttttcttaa 469

<210> 32430

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32430

agcttcttgg actaagtaaa ctccgactct agattgagac tgattagccc aagcttttgg 60
ggtaatatgt actactcaat cttgacaaac ctctcaaga aggcacttga tcgattaatg 120
accgggactt accaaatgtc acttgctcaa gggaccaga atcgaaatccc acccaacctt 180
gcataggtg aaagaggga atgtgaccat cgagtaaaca cttgaaagaa aaagtgttat 240
tatttcatta atcaaaataa ggatacatta ttccctgggt cggatggatg tgaccctoga 300
gtatcctaaa aacatcttaa caagaaaaga cctaatacatt atgctttgta tgacaacatt 360
ntaatgtgtc ttaacaaagt aacatagagt gttaaagct 399

<210> 32431

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32431

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gatggagcct cctctcacct cttctccttt atctttctgct gtaactccat gactgaaaat 120
caccattgaa ggacttttatt gaagctcana gatccagcct ccatagaagc ttctcaagca 180
aggttccatc aagtgggtatt agagcacaag atcttcaagt aggtgctctt ttaacctcaa 240
ttaattttca gctttacett ctcttccatt gttgtttctt cattnttctc catcgctctc 300
ctcacatgtc tgtgctgaat gtttttaaca tgattnttta gaatctccac cgattaaaca 360
tgctatagaa gctagaattg attttctatg gttcacattc ctttgtctag ttcttgaacc 420
atgaattgtg ttgagttt 438

<210> 32432
<211> 363
<212> DNA
<213> Glycine max

<400> 32432
agcttgattt gatgaagtgt ggaaggggtga cacttcctac ttttattcgt tggtcacaga 60
gcggtacctg cagatatgtg ggggggggtca agagaccttg gggacgtcag gtgggggtgct 120
attgccc aaa accaagcttg accaaccgga cccaaccggt gcatagtcag tcagtgaaga 180
cctgtgatgt acctaaacag gcgagctcct ggaagtcaat cgataaaaga acaatgacca 240
catagcaagg aggcttgtgt ggtggctggc cagctgtgaa tcttgagtga tatatgggat 300
agggcctctt ggtatcgatt accgaggggtg ggtagtcgat tacaaggctt ataagtgaag 360
aca 363

<210> 32433
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32433

ngagcatatg gatggccttt ggctaaatca gcagcatgag ccgtaatctt gtaagctata 60
acgccagcct tcacgtgatc ccggtttggc aaccaagat gttcttttgg agtcacataa 120
cacagaagag ctgtacctag tgccc aataa ttcgcagcac caattgcaga cgcgatgtga 180
tcatagccag gggcaatatc agtattctaa tgaccaagag tgtaaaaagg cgcttcacta 240

<400> 32436

agctttgttt catattttct ggaggagttc ggcattgttt cttgagaagc ctctacatgc 60
acgagagtct ggccttggct tgaagctttt gcatgt 96

<210> 32437

<211> 288

<212> DNA

<213> Glycine max

<400> 32437

tgcgactcta ggccatttct atataactag cgcacttaaa atgttgtgac ttctgaaaca 60
atcttcacaa acaagtcact tgaagaattg tgacttctgg aaatgtactt tttgaaatca 120
cccactggta atcgattagc atcaaggagt catcgattac acatcaacat atgtgactct 180
tcgtttttaa ttgcgaaaat caaaacgttc acaagctctg gtaatagatt acaaattattg 240
tgtaatccat gacacagata taaagtaatt ggaaaatgtt tatacaga 288

<210> 32438

<211> 398

<212> DNA

<213> Glycine max

<400> 32438

agcttttatat ttagacttta aacactttgt tttgttttgt aaacaacaat ttggaagaaa 60
gaaagataca taaaatgtat ttttttttaa atgtcttctg ttgtacaatg gtttggaaaa 120
gtataagaga aagcaaaaat aaaacacctc ggacccta atcccttaattt ctctcgatag 180
actgagacca agaaagaagg gggaaaacaa aattatctat tagaaaatga tcatatttat 240
taaattcttaa cgacataatt atctatatatt aagaagaaat tatttttggt ctcttcatgt 300
taaattgtttt ttgtgaataa tacaggtttt gatgatacta agattctgaa tgtgtaatca 360
actatcattg atgtgtaatc gattaccagt aacggaac 398

<210> 32439

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32439

tccgaatcca gagatgacag ttactctgaa caccctgcat tnttgctgng acaccaaca 60
acacaatgaa agggctaaaa tacctttcac cttttctagg gatcgggcgt ccgtatccgt 120
atgactcata caaattggcg atctgtataa atttttctta actcatacaa attgttgatt 180
cgtagtcata cggattgtta atccatatat ccatacagat catcaatctg tataatcata 240
cacattgtca atccgcatgt ttttaactgtn taacaattat ttttctaaan atctccattc 300
attgactatt acaaaatctg ataattaaac aaatttgata ttttaattgaa tgacgta 357

<210> 32440

<211> 323

<212> DNA

<213> Glycine max

<400> 32440

agctttatgg tgaatcaaag gtgattcaaa ggtgttttga tgataacaat gatgataaca 60
aaagggtgatg acaaattgtga tgacaaaaag ctcaaagatc aatcatagaa caactaaagt 120
gaaccaagaa caattcaaga gttccgatca gaatcaagaa gagttcaagt ctcaagaaga 180
aagtctagag acaagaatca agattcaagg ttcaaagatc tcaagaatca agatcaagat 240
tcaagactca cgattcaaga atgaatagaa gactcaatcc tgatcaatat tagaaagttt 300
gtcccaactt tgaatatcac atg 323

<210> 32441

<211> 257

<212> DNA

<213> Glycine max

<400> 32441

tcaccactat ctcttgatgt cacaaacggt gaccatgtcg gacttggttag cgtcatcgac 60
cgagagaatg acgttggttag cacggggagc gaggattgaa cagtactaac tgatgacta 120
ctacaatatt tagatataac atcggacggt taacatgagt tattcacaaa agcgatgtta 180
acaaaagcgc ggaggcattc ttgctagata aaatacttac ttaacatcag ttacgcgcaa 240
gaacctttat gtcttct 257

<210> 32442

<211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32442

agcttattcc ttagctcatg aagttattaa tgcaccaccc atagctccat atatattccat 60
 tatgtatgcc atgggaaagg gaaagttata atgatgagga tgggctaactc attagcgagc 120
 gtacgggacc ttcatactnt tcgctcgccc cgatccttct atctctcttc acctacgact 180
 tatttagcta tgatctccct aatcctcctt acaagggcga tacaataata tgacgccgat 240
 acaataatat gactccctga taaaataaaa ggagtcttca accctctaata caatagaggc 300
 tagatcggac taacgagag 319

<210> 32443
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32443

tgcacaaaca tcaagtccag tagaggacag acatgaagca tctcatgatg aacctatgat 60
 ttcatacaatt cttgaacctg ttgatacttc atataacctg gtcagagaca gacaaagaag 120
 gcagattaaa gctcctataa gattgggtta tgctgatctc atagcttatg ctctgagtat 180
 agaatctgat gatcaaagct cagaaccaat ttcttataaaa gatgcaattt tcagaaccga 240
 cagtgatcag tggagatcag caatgcaaga agagttingac tntttcccaa caatgatact 300
 tgaaacttgt tganaagcca gtaaagcaga aagttgttgg gtgtaatgga tttc 354

<210> 32444
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32444

agcttacata atgagcatct gtccctcaaa caaactctgc aacttagaat ctaaagtaga 60
 agatgaaggg atgtcagctg ctggtgcaaa agaaaaagga acaccagctg ctgtggacct 120
 ggttttcctt gcccttagaa aattaactac tgggtcattca cattccaaca tttcctttta 180

atataggcca agttgatgac cggcctcagg ctctataag aagtaagagc atcagatcca 240
 actctccttg tcctgcacaa ggctatgatt aaagctggga agcctaggcg agaagagttg 300
 gaatgagcca taatggttat ctatccaaag atcaagccgc caatgttcat gtccatcctt 360
 gtgactaagc catanaccaa cctagctctg tccatattca agtctg 406

<210> 32445
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32445

tggtaacccc tntatgcaat ggaaaacaag ttgatgaatc caagcaatca caagcaagat 60
 ggtcttgact aaatgcanaa gtaaacagaa naacaattaa attaaaaaaa actaaaggaa 120
 aagttgggtt gcctcccagt aagtgttct ttaatgtcat tagcttgaca agtcaaagtc 180
 ctttaaggty gcatgaaggt cacatagaac acatcttctt tgcagtttct ccttttagct 240
 agaaattcca tgaactttat gtattttgga agcacattcc aattcattgc aatagaggty 300
 cggatgatcaa ggaaggatga cacttaaggt tntcttatgt tctccctacc tttcttctt 360
 gacaatcagt tgacgaggaa aggtattgat ttggagaata ctttcttggt gattntctac 420
 tgttgagtac tccccccat 439

<210> 32446
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32446

agctntaaat gagttaaaaa ttgaactgtg ccaganagct tatctagaca gagcgaacca 60
 tttggcagtt ttttcatga atgggattca ggtttggtt aatcgtaagt gggacctaa 120
 gcaaatttta agaaaactat tttagttcga gagaaattat atagtaggtc ttttttgta 180
 acatccagat attttagat tatatagtag gtctttttcc agagtttgaa tgtgctcatg 240
 aagttcatca atatctgttg tcaatcatta taccactctg ggacgatact ntagtttcca 300
 agctgattac tttgttcagt agctcatcaa tctgctctgc catttttgca cgctgagtga 360

tg

362

<210> 32447
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32447

taacgcattn tacctctaag ggtcttgtaa ttgcataatg gtggtcagtc tctcgatggt 60
cccaccatgg tatagcttca atctctgacc atttactatc catgttctgt gcggagtttc 120
tgactgaggg tcaagtaatt ccacaactcc atatggcttg acttccttca tggatgaatgg 180
tccagactat ttagacttta atttgcttgg aaacaacttt aatcttgagt tgaacagcag 240
cacttggttg cctggcctan agtccttctt tagcagcttc ttgtcatgat aagccttcgt 300
ttttctttgt acagctgaaa gactcataag cattcaatct catctcttcc agctccaaga 360
gttgcaactt cctcttttcc cctaatagag cctcatcaaa attcaggaat ttcanagccc 420
agtatgcctt atgttccatt tctac 445

<210> 32448
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32448

agctnttagt gtgttttttt gaaatgtatg catgagatag atatttattc atttgatgca 60
cacaaacacc aacactatth gtacacacga tgagttgaaa agggggcccta taccggggtc 120
catgggaaca taaggagtgg aggtgaactg cggatcatgct gggatcactga cttgcttgat 180
aacagtgaac cctcatctag agttttttctc tttgatagca tgtgggttgct ggtagtccct 240
actgccgcaa tatgtttttt cgaagggcat gatacctcta gaaaccatca agagagatat 300
gaccaccttg ggaattatca ctaanagcct tttagttcct tccgtttagg tcaactaanat 360
aggggcacga agtgaccacg ctgcgtgctt tttaaacact gccatgc 407

<210> 32449
<211> 441

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32449

ataagtgcgg gtctgggaga cgaaggtcaa gtgttcgcga tatgtgaaga tgatgttcca 60
agtacttttg atttgggtccg accatgccct cctgatttcc agctgggaaa ttggcgagtg 120
gaggaacgcc ccggcattta cgcaacaagc ataatgtaaa cctttacggg tttaaaagct 180
ctatagttgg gcctaggctt tagagttttc attctgttaa agctttgtgt cttttgcttt 240
tgaattcata atacaaggat ctttcttcat ctgttcctgg tctctacca ttctcttcat 300
ttgcatgttt attctttntc taaaacggca gattcgatga cgagtcccc gaaggtacta 360
atacctgnga cccgtctatc aacttcgagc aagaaatgaa tcanacggaa gatgaaggag 420
atgacgatgt gggacttcct t 441

<210> 32450
<211> 369
<212> DNA
<213> Glycine max

<400> 32450

agcttaaaca ttcactttcg agcctcactt caacattcaa tttcgagcgt ctcgatatat 60
gacgggactc aatcagacat ccgagtaaaa agttattgtc gcttgaaatg gctcagagct 120
tcaacattca atttcgagcg tcccgatcgc tcacggcact caatcagaca tccgagttaa 180
aagttattgt catttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatat 240
attacgggac tcaatcagac atccgagaaa aacgttattg ccgtttgaat tggctcagag 300
gttcaacatt caatctcgag cgtctcgata tattacggga ctcaatcaga catccgagaa 360
ataaattat 369

<210> 32451
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32451

tccatcagga tgtcttattg agtcccgtaa tatatcgaga cgctcgatat tgaatgttga 60

acctctgagc attttcaaac gacaataacg ttttactcgg atgtctgatt gagtcccgt 120
 atatagcgag acgctcaaaa ttgaatgttg aacctctaag ccaattaaaa cgacaataac 180
 tttttaatcg gatgtctgat tgagtcccg t aatatatcca gaccctcnaa attgaatggt 240
 gaagctctaa gccaatcaac acgacaataa ctttttactc ggatgtctga ttgagtcgag 300
 cactataacg agacctcgaa atgaatgtta acctctgacc aattaaacga cataactatt 360
 tactcggatg ctgattgagt cccgaatata tcaacctcgg aattaatgtg 410

<210> 32452
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32452

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 acatttgagc tttcatgcat gtgtcaatga taggcttgtc gtcatacttt tgtaattgta 120
 gctttaagtt gtatttttgt gtgatcatct ttgtaaatag caattcttat tagcttgtaa 180
 tcttattttt gttggttcta atacctttga gggggagatg aaaggaatcc aaagttgggt 240
 agaggtgcat taagagataa tagttatacc tattcctagt tatgattctt ttttaattcaa 300
 aactcagcct ttctggatta tacaatatct ttttctatct tgctttctgc ttgngttaat 360
 aacaaatfff catctcaaca acttaactta agttttttgt ctaatatta 409

<210> 32453
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32453

tattgtntat ggattgcaa attccacatc atttgacatt attcttaaac aaactagttt 60
 attagaacaa acaataaaga aaaaatgtat gggctggttt tatctattta tagaagattt 120
 tgagtgaat tataagattt taaagttat gaaatcaata gtattctggt tgatgccaat 180
 agaaaccagg taaaaatcaa atccttttta tctcaacaat tataaagtcc ttgcttcaaa 240
 tgaaggaaag cattgctctg cctataggta attcttggtc tactgtattg taatgttctt 300

tctgtttgca tgtgaatata ttcaagtttt atggttttgg gttctttctt ttacatctca 360
agtttatata tctgtacgaa aataacat 388

<210> 32454
<211> 374
<212> DNA
<213> Glycine max

<400> 32454
agcttcttat ccaaggcatt tcttggtggt gaagctcctt ctcccttggc ttattcccta 60
gtggatggtg tctccactct cctcttctcc ttttcttcc gctacatctc catgggtgtaa 120
aatcaccatt gaatgacctc attgcgctca cagatccatc ctctatagaa gctgcacaag 180
caagcttcca tcaatagtac togettagcg cacagccgcg cttagtgagt tcaacaaata 240
actcaacaga gaagatgaac gcgcttaatc ttcaacagaa gcgatgaact cgcttagcac 300
agcaaggcac atagcgagtt catcgtgatt tccagaacac taggggtttc tcaccccttc 360
tcataggccc ctat 374

<210> 32455
<211> 403
<212> DNA
<213> Glycine max

<400> 32455
tgaaccataa cccggtgaga gtgtgaactt aattgttgag agaacgacta gcatacagct 60
atgatttttg tatcaatctc tgaattttac aatgaaatgc ataatgtgg atatgatgaa 120
ggccattatt gttgtatata caagccactt gaccaaagc ttacctattt attaattgatg 180
atatcatttg cgcccatctt tgagctgaat cgtaattgtc aagctgaacc ctgagctctg 240
aaattattat ctccatttac cttgcttacg ttttaggaga gcacattgcy ttacaccatc 300
ttgcccctga ttgaggagat attttggatg gataaattta aagaagtcta aactttgaag 360
cttaattctc aaatgatcga agttgacaaa atacatacac atg 403

<210> 32456
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32456

agcttgcaca caagattctc ctgacctggc acctcaaaac cttcagggtg ggtcatattg 60
atgtcttcct ctaaateccc atgcaagaat gcagttttaa catctaacta ctccaagtga 120
agattctctg cagctacaat actcacataa ctctgatggg agtcattctt acaactggag 180
agaagatttc tgtgaaatca attccttggt tctgctgaaa ccttttcacc acaagtctct 240
ccttgatctt tcttctatcg tcggattntt ccttttagcct atagactcac ctattctgta 300
acgctttctt tccttctang aaattagtta aagaccacgt cttattcttt tgaaggggtg 360
tcattctatc tttcatcgct agctccact caatagt 397

<210> 32457
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32457

tctcccncaa ttntctataa atagggggag aagtgaagtg aataaggggt cggtccctta 60
ggcattctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatccaagc 120
cgaggcgctt ctgaaacatt tctgtaacgt ttctatgagg aatttcgcga aggtttcgac 180
cgttcttcga tgttcttcat tcgttcttca ttgttcttca gtcttcaacg ggtaactacc 240
ttgaaccaag cttttcgatt ctttctatgt acccgtagtg gtccacattt ggtctctcgc 300
tttttattct gtttcattta ctttttatac ccncttttga cgtgcttaag ccattntatt 360
taagtcattt ctgcttaac ctaacaataa aataaatttc caccgatcgt ttgaattgta 420
ttatccatta acttcggcta anatgaattc cg 452

<210> 32458
<211> 230
<212> DNA
<213> Glycine max

<400> 32458

atggttagcga tatgtaaaga tgatgggtact cgtacttacg atctgggtccg accatgccgt 60
cctgatatcc agctgagaaa ttggcgagtg gatgaacagc gcggcattct ccaacgagca 120

tgagatgaag atgtgcaaag caacaaggag gaccctaataa ggtgcatata gagaattcaa 240
aaccttataa taaataactaa ccgattgaca aacgaacgaa gaacgatgta ngactgatca 300
cggctgtgat cggaagtgcc tcggcctcat tntttttctt ctttctcctt ctccttaatt 360
tcactaaatg ctgtcaatat atgaaggttg tatccctttc ttcagcccca tcatgactat 420
ttataggana tgaggngact tgtttgatct 450

<210> 32464
<211> 320
<212> DNA
<213> Glycine max

<400> 32464

agcttgactt gagatataat ctatctcagc tatattccca tttgtgcaag acttgactg 60
cacaccgagt cgcagtgtaa tttatctttg tgtgaggttt atgttgagta catgtatcct 120
gagggagatt agaacaataa ttccacgcgc tcgcgcgtca tctagacatt taagataaga 180
tgtataagtg tcggcaaata gcacttttta ccatttttgc atatgtccac tatatccatt 240
aatggctaac aattcaaaag caaaactacg cacttatggg aagctgatgc atgaacgcta 300
tgacctattc aatggtcatt 320

<210> 32465
<211> 347
<212> DNA
<213> Glycine max

<400> 32465

ttgcataccc caaggatcca tcagtatatt acttgtgaaa tatagccacg agggcgggct 60
cataggccac tttgggatac ataagacctt tgtcactact agagacaagt tttattggcc 120
ccgtgtgaag aatgatatcc ataagctttg cactatgtgc gtggcttgtc tacaagccaa 180
gtctacggtg atgcctcatg ggctatacac acccttacct atcccatctg caccttgagt 240
aaacattagc atggacttct gccttgggct atctagaacc caaagagccc gcactctctc 300
tttggcgggt ggataggttt atcaagatgg ctcactttat accatgc 347

<210> 32466
<211> 399
<212> DNA

<213> Glycine max

<400> 32466

agcagatccc aacggtcata aggtagtttt atgtgctaga gacttccagt aaaattttcg 60
agtcgatcca acggttaaca aattggaacg aagagaatat tactggggta tttgagtgtg 120
aaaagctgtg atgttgggca gactttctac ctctgcccggt ttttcttggc tgtgttagtt 180
catgatgctt ggatgttgaa ttacttggat gttgtggaag cttgggagga ttgatgggga 240
cccgcgcttg agaggaacga ggataagggc tacgtgggag tacgtgagct cagttgaggt 300
gggcaacagg ggatggtggg tttatgctg atttgtggat gtggagaaat tgtttgcacc 360
atgccccgac cgccatctag tagcacatgt gatgggtac 399

<210> 32467

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32467

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ttatagcagc tactgcaatc tgaacgtgcc caaacgaatc acttaacatt aatagcacgt 120
tcaccacaaa gaaaattoga ccgttgccctc acacgccctt ctacattctt cattcaaatt 180
tatatctgct tggcattcgt gtttttaccg gcatttccca atagccttct gagatttacg 240
aaatcattcc aaacgctctg ctttttccatg gctacctcac caaaagaact tccgctcctg 300
gtcaccgct gtaccatcat ctccgcacca ggaacaacca gaattcaaca tccaacccat 360
acaaataatt cctgggcaag cttctgtccc tgagaaactg gttccagaag acaac 415

<210> 32468

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32468

agctttatta cattctctct tggtccttac catttcttga atacttccct tccaccacca 60
agattcctta tctcagtcga aaacttcttg attcactgaa gactacttta ccaaccattc 120

tatccttctt agaaacctna tctcaaacgc gccacccgct accttgatgat gctcaattac 180
 cttcctccaa taatttcttc tttaaagaca agtggtttctc acccttgagc tgccatcact 240
 tgattctcga atctgtaact tgccgaatat tttgtgtact actcttaaca ccaatatcaa 300
 ggatcaaga 309

<210> 32469
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32469

ctcaagcttg aagggctnln canttataga gaattgagac tectatctct gtatgtataa 60
 tcgttaccgg atgagaagat gaaaggtcta ccaccaacgg gaaggcatag gtccacttct 120
 atttcacaag tggaaaaggt cacattgctt cattatgagt gacattttta atttaactcta 180
 agctgttaat ataaaataaa atcaatgggt cagattacaa ataactcttt atacttactc 240
 nctacagtaa gtagatcccc tcccatatat atatgaagta aaaatagcaa cttttgcaaa 300
 aaaataatac tgcccacctc attattacta tattatctac atctatgact atatctatat 360
 acattacaat tgaggattca tctcacaacc catcttgta cctatcttcc tatgcgcttg 420
 aatttttctg cattcaaaat attaaaacta gtccatta 458

<210> 32470
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32470

agctttcttca tgttgctcct cctatctctt acaccttatt cttctatctt atctttgaca 60
 cttctttttt gtacattata ataactgaaa gtccaatgac cttgattata tatacttttt 120
 ttaatgaaat agtgaaatag gttgagcgcc tatcctttta tttctgagta aacttctcta 180
 cactaagaag agtaagttgc taaagtatcc attttcctta gagagccaaa agtaagtctt 240
 ttctctattg ggcttccaaa tatgttgaga cttttctaag gtgaacaact gaacatacaa 300
 gacaccaat gttttcttgt ttctgggtctt tntaattctc cttgtgttgt gtgattgctt 360

cccaatgatt agtttagttt gctataccga tatttttgat aca

403

<210> 32471
<211> 476
<212> DNA
<213> Glycine max

<400> 32471

tactcaagct tgttgaactc atatgcatga tgatgccatg actcacaaat gtgaggctgg 60
aatatgataa cggacaaatg caggaacgat atgttcatta tgatgttatg aagagatgct 120
tatgcgatgc atgatatgaa tgcattttac ggacacgaga gcccggaaaa ttatctcttc 180
ttacttgccg atttgggggc gcagtgcgcc atgtgtatag ttaagaaggt gatatggacc 240
ttccggctta ccatgacaaa ggacgagacc aacatacaat gcatgctaga gataaaatgc 300
gggagtgacc gactcgact gattttggag aaaaacgtgg gataaactca tcttattcaa 360
aaagttataa ctagtcaaga tctgagcgat aatacaaact tctagtgcg ttctaatacat 420
atgggtccatt aagtctatca tatgctgaca atagctgaga agtcgcgga tcttct 476

<210> 32472
<211> 300
<212> DNA
<213> Glycine max

<400> 32472

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cagaggagtg gacaaagggc cttgtgggtt atgaggaacc catatgagag aagcgaattg 120
attttgagg aattgttgcc ataagggccc ctgcaccgac ctacagagag gggaatggtg 180
atgaagaatt gcgcgccaca agttaagatt ctgagtcatg actcgggtgg tgggttcgtg 240
actcactgcg ggtggaactc ggtgttgga gcggtctctt ggggtgtgcc tatggcgctc 300

<210> 32473
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32473

tgctcgtgcg gcttctatgg aggcctggatt cttgagcttc attggggtcc tttaatggtg 60

<210> 32476
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 32476

gataaactag tcccgcgagc ttaatcaact gctgctgcag ctgttattta gtaaacta 60
 atttaaccga tgcactcaaa ggagttatga taaatatcat ctatgcaact cttattaagt 120
 gttggagaag taaacaatgg gggaattcac tctgctaaga cttaaaatga ttctgaccca 180
 actctgttac ataaatattg aaaagaactt aattattgga tttctatgaa tcatttgatc 240
 gactaaatc 249

<210> 32477
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32477

tgaagaatgt ctacatgttt acatcgcgcc actctctgtg agtgactat ttgtattcat 60
 ccgtcatctg agaatcgtgg catcgtgaat cgtctatgct tatcactata tcgcactcag 120
 cgcatctatt agtgtgtgta gtgaacaaga acatcttcta cgatttatta acatttcttc 180
 agaaggcaac aactctcgtg ttttacattg attacatgcc ttacagttaa tcgatcgcac 240
 aaagatgctt taaggcttat anaacntata cctccgtatc gattcgaatg aattacaacc 300
 ttatcgtaat caattacaca gttgcttttt cgcccctgac tgattcatcc acagtctnta 360
 ttttaatcga ttacnatgtg atataatcga ctacttctc 399

<210> 32478
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 32478

agctttccaa agttttctgg ttttccaaac cttgaaaact tgtgctattc atccttttca 60
 ttctcttctc cctttgccaa aacgaattct ccaaggacta accgcctgaa ttctttttgc 120

gtctctcttc tccctctttc aaaagccccc cggaccccca cctgaatcct ttggtgtctc 180
ccttctccat tgtccaagaa ttcaaaatga aacagtttga gaattc 226

<210> 32479
<211> 290
<212> DNA
<213> Glycine max

<400> 32479

tcttatacaa cgctcactct ggtggagaca ctcttcttc catggcttat tccttaaagg 60
atggcgccctc ctttcacctc ttttcctttg tcttcgcta catctgcatg gcggaaaatc 120
accattaact gaccccatg aagctcatca gatacacgct ccatataatc cccacaagca 180
tgtttccatc agaatgtcca cgtttttata gggctacact cccatgcctc tctaggacta 240
cacgccctcg ccttaggagg actacacatg ctaccttag aggactatag 290

<210> 32480
<211> 90
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32480

ggcgattcag ctgggacccg ggatcctctn agtcacctgc ggctgcaagc tgtttctagt 60
acttaccggt gatgatcgaa gaacgatgaa 90

<210> 32481
<211> 577
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32481

agctcgccgc gacgggggttt ganttcgtat actttgctat ctacnggaca ctatagcaat 60
actcacagct atatgcgcgg tggaatgac tgcgacggat cacactctgc ttatatctat 120
cttcgcagct acagacaatg tgcaacgaa gagtccactg atcgcatcac tagagcagca 180
acatgcgttt tagtctagcg atatctgcat acttgcatcg aagagatggt tctctcattt 240
tggcattaga gatacgactc acatgatoga tcctcccgat gagcctctct caaccattac 300

ggaggtcacc tctgttcaca cgaggtgaga cttcctcact acactactca gctcttattg 360
 catacttact tcgactacag gaagcgaaac ataagagttt ntntcccgcc ctctacaccg 420
 tctcactcct gataaataag ggtctgtatt gagngcatt cagaggccat gtgacctctg 480
 acaagacact tgaaacatct tatgatgata gccctttttt gcgagctagg ctaaaggtgg 540
 atttctctat cgctcacc tgatctgtcg tgagttt 577

<210> 32482
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32482

agcttctttt gtttgattac gacatacaat ataaagctgg ctccttcaat attgtcgcag 60
 actatctctt ggcattgat cacaccggac aagcccagtg ccttctgctc tctgatcccc 120
 accacgaggt actcaatcaa ctaaaacgcg cctcctcgc taacactgag tttcagacac 180
 agaagaaagc tattcaagct caccagagg atcacgetca cttcaccatg gccaatgagc 240
 tcattttctt aaagaatgcc atctggattg actctagcaa tccattcatt cctgcattag 300
 tacatgagta ccacgcaacc actctcggag gtcactttgg tgtcaagaag accctccacc 360
 atgttcgctc taatttccag tggaccacca tg 392

<210> 32483
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32483

atanaagtct aaggcgctat taaggagaca agttgatgat gctctgagaa tcgatattat 60
 gcgtagcctg cgtgtacaag aacgggttgt gaatggaaag taccttgggc tgctatacgt 120
 gataagctaa aataacaaat tcaccttagc atatataaga gatagattgt ggagaagcct 180
 tcaatgtagg aagagcattc ctttggccaa tgctgcccggt gaggccttaa taaacgcaat 240
 agctcaagca atcgccaagt attgcatgag aatctatctc tt 282

<210> 32484
 <211> 387

<212> DNA
<213> Glycine max

<400> 32484

agcttcatgt tgctcattga ctccaaatta ctgcaaggaa ggacatagat cagtatggtg 60
atctgcagaa gaacatagac cacaaactct tgcaacaagg gaaaatgcaa atatctaatt 120
catggcaagc tgagttacta ggtggccaac gcatcaagtt ttccttcaag ctttttattt 180
acagtggatg aagatgaata tgtggccacc tcatggactc ctttaaggac aatagcatca 240
tttcttgcac tgaattgttg ggagttggaa gccatcttct caatcaacat tctagcctca 300
gtaggggtca tatcaccaag ggctccacca ctagcagcat caatcatact cctctccatg 360
ttgctaagtt actcatataa atattgc 387

<210> 32485
<211> 284
<212> DNA
<213> Glycine max

<400> 32485

tctagccaaa tggacttacc ttgaattatt tcctttgata ttcctttcga gccttggttc 60
tctttccttg ttctgaagct cactacaage cttaagtga aaacatgat attaccatat 120
ccttaaagaa ttttggagct ttggaattgt tttgggaata agtgcggggg gtttttgctt 180
cattggacaa cttgctttgt tgactatgct tcatgatgta ttttgcgcca tacttgatgt 240
acattgcata ttgagtaa atgtggacatg ctgaatgaaa tggt 284

<210> 32486
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32486

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tatgaattaa tagttcaa ataaaaatta aattgaagga aattaatata ttaagattca 120
acgataaata ctttcaatgc attctagcct acttatttat taactttttt taattgataa 180
taatatagtt tggtttaata tatacatggt tagtatgtaa atactaatat ggtgtgacgt 240

gcatatgatt catgaggcgg gataacatgc tgctttggga ttataacatt gtcgatnaca 300
 ctgagtgtat gtgataaatt gagtatgtgt cgaattataa gatacaagcg tattgagatt 360
 ttgtatgcat cgagctgtga gctatgaact atactattac ac 402

<210> 32487
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32487

tattcttctt attgttcata ttctctatct gcattgaaca gttattttat tggtttaatt 60
 gctaatttgg ttcttatagt tccatgattt gtaccgctta gttcctatag ttgaaagtg 120
 gtcttttttag tccatataat ttgtatttca attgcctgtt agccattgct acaacacaca 180
 cacacacaca cacatgatta actacaaatt tgttatcaca ttattaacta tttcttattg 240
 cacactatct tgcgataaat tatgtatagc tataccttat tntnccccgc ggccttcat 300
 tttctacatg tatntcctca catgttttgt gctacatgtt gttaacatga ttctttacag 360
 cttccaccgc ttaaacttgc tatagaagct agatttgatt ctctatgggt cata 414

<210> 32488
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32488

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 catgacctct gctttgaagg ttcattctata gaggataaaa ttggataatt ttatagaata 120
 caaataacctg tattcattga ggatacacga atgattggct gaagtctttc acaccttccc 180
 tcatccaaca ccatgcaaag aaaagaacct gttgaatcaa accctctaca tcaaacttgg 240
 atcccttgaa aatgcacgag tttctcatcc tctgagtaca ccaaaccatg gcacaccaca 300
 naagcctcca ctttttcatt actaacctta gaaagtaaag gagttgctta acagttgagc 360
 aacaagccaa agaataata atatTTTTga taaattanaa tacagtatat 410

<210> 32489

<211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32489

tgaaggcatg taaccaccca tcttctcata gtagaacacc ggtgacgtgt tcattatcat 60
 tgttatcatc tacctttcca tcattgaggg cgctacttga gctgccagat ccctccacct 120
 ttgggcatat tctttgaaag atttatgctc tctcttacac atgttctata gttgcattct 180
 atctggagcc atatcagaat tatactgata ctgcctaata aaagaaacca ttaggtcctt 240
 ccangagcgg atccaggaag gttccagatt aggataccaa gtgataggcc gcccagtgca 300
 ctctcttgaa aaaagcatta agagcttttc atccttcgcg tatgccccca ttatcttgca 360
 gtacatcttc aggtgattct tggagcaagt agtccctcgg tactagtcaa aactcggcac 420
 cttgaacttt ggaggtatga cgacgttggg cact 454

<210> 32490
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32490

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 tcagcactgt tacagtgttg catattgaat ctatgcagaa tatcagtagc atatttttgc 120
 tgtgtgagaa caattccttc actacaccct tgaatttaata tccagggaata tatgacaact 180
 caccaggtc agtcatgtca aactcatcca tcagattttt cttaaattca ttcacttttg 240
 cttcattggt tcctgtcaat aacagatcat caacataaag gcatagcatc ataagtctt 300
 caccocaga cttcacatac actccatgct tagacctaca tttcacanaa cccaaattgg 360
 tcaagctctt atctatcttc atgttccaag cacgt 395

<210> 32491
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 32491

tagctgaatt cagatcaaat tgaagttagc ttagctcaac cttggccatt ttagcggacc 60
 aaatcagcct cagatgcaag ggttggacgc taagtgcgtg agacttgcaag cttagcgcac 120
 gaacagagat gcgcttagcg cgaggcttgc gcttagtgaa aggactattt ttcagaaaat 180
 gttttctaag ttatTTTTca gttctTTTTc cacgaaatta aaacccttat gttaaattatt 240
 caaagatagg ctgatatact cctatgtaca gattatatag caggttccaa atgattgcgg 300
 catgacagac aaagtaacag aaattaaaaa ctgggttggc tcccagcaag cgcttcttta 360
 atgtgattag cttgacgcac agcttactac cttcaagggtg gcatgaaagt cacaagaac 420
 acatcttctt tgaagtttca ccttttagct agaaatttca tg 462

<210> 32492
 <211> 77
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32492

agcttagaag atgnttgang gtttcttggg tggaaggaag aaggtagaag tcagtatact 60
 acaatacgct gacaata 77

<210> 32493
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32493

ctgtggcgga gatgttgatg ttaagtgtga attgcaacca gaaattaata atgcagggga 60
 ttattgtgta tttggagtga tgcaactttc aaaatggaaa agaagggtcaa gggaaatggt 120
 ttcatatatt tggaaggtac ttgggttggg gatggtggaa aagtgactat aatcaatatt 180
 tactctcctt gtgacataac ttctaaaaga attctttggg atgaagtcaa acaacttaca 240
 actgccaaca atggggggtt atggtgtatt ttacgagact tcaatagcat tagaaggcct 300
 ctgaacgagt angatgtgtc agaggattca gaatggaggc agcctgaagg aattcaataa 360
 ttggattggt gacttggatg ttgacgatgt tcctagtgtg ggcagaaaat tcacttagta 420
 cagaccagat gtgacaacaa aaagcacaat acatacggtc cttgtcttgg 470

<210> 32494
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 32494

agcttaatct ttggcgatcat ttagctcggg taaagtccaa ggcttcagag atatttgaca 60
 ttatccttaa gatgaacaaa gatgaagctt aagctttggc ttcactccaa ttatataata 120
 tgcttcaaat actcaccatt gactggattc cccccgcgta atccacaaca atcaaatttg 180
 gatactgata aagcacagat gcaagagcac tgtccctgtc tgaaggacca tgcacatgaa 240
 actccttttc accaatctga aaagtcttgt ctgacttctc ttcacaccca aacgacacag 300
 gaacaacatt cagttcagca gctttcgccg cattaatcac ggtctctccc att 353

<210> 32495
 <211> 597
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32495

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 acacctccnn cccgcacgc ggcgcgcgcg tttgatttcg tgcaatacgc acctatanaa 120
 actcaacttc gctgaaccc acatcattga ctcaatatgc acattcgtct tgtgaggaaa 180
 tcgaacagat actgctccct gcaagcaaag aactcttcga tcgcaccaac caaaccaaat 240
 catgctcctt atcacttcca tcatatccat ctgtacctga gctatctttc tcacgctact 300
 ttctgtgctc attgttacca tgcgtccatc cttcacacac tctactacct catcttaaca 360
 aaatggttca ctggatattt gggatatcaa gatgccaatt gcgcctcttg ggtatatgcc 420
 cccgcacagc ttgccacatc tttgtatggt tatgtntana tatgaaaaat ttaaacacaa 480
 cagggcaatc cngcacccca ctctgtactg ctcttcaaa aancatcctc ctaacagtag 540
 agctctaagt cttacaactt gcacatcata ctcaccaatc tccacttaac gctgacg 597

<210> 32496
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32496

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 ggggtctctc caacgcttga accatatgct tgttggtgaa cttccttgaa catgttgctt 120
 tgaaattttc aagcttggtg tcatccctaa atctatgtgc tgagttgttt tccttgagtt 180
 ttttatgcc aaaaatgagtt ctttgcatgt taaaatataa agttagccta aaatttcac 240
 caaatcaaag tttcttaaca aaagttacaa ataaaacaag ttttaaggacc tttagtaaaa 300
 tggaaatfff gtcattaaat tggactgaga gttacaatag tatgtactat ttttattaca 360
 gttttgaact caaaaatgaa ttttttaagg tttgaanatg taaa 404

<210> 32497
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 32497
 gttgcataca ttcattccct tagtggtatt gtctttttct ctctataaag aatagctatt 60
 tacatttcat tcatgcaact catttatatt gtcatagaaa tatatttgca tgtctaagta 120
 tataacatga acatgccatg cacattgctc tcattgtttt ttttaatacaa gaataaactg 180
 tgcattgaaa agtttttcta ggatttacgc acatcaattt agaaagatta atattattaa 240
 ttataatata caacaaaaaa actccgctta tgtaaccttg cttatctccc gcccgacttg 300
 cgacttttat aaaatatggt cacgtcttta taaaccatat aatagcaaga cttggagatt 360
 tttatggaaa aaaacacaca taacaacaag gtaatttgca atttcaaatt cctcatcaat 420
 aattatttct ttcattttat ttttttgga tatat 455

<210> 32498
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32498
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 atatattcag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataag 120

tttttactcg tatgtttgat tgagcctgta atatatcgaa acgctcgaaa ttgaagaccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccg 240
 agtatatcga gacgctcgga cttgaatgcc gaagctctga gcaaattcaa acgacaataa 300
 cttttttcct cggatgtctg attgagtcct gtaatatatc gagacgctcg gacttgaatg 360
 ccttagctct gagcaaattc aaatgacaat aactttttac tcgg 404

<210> 32499
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32499

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 aagttattgt cgtttgaatt tacttagagc ttccgtcttc aatttcgtgt gtttcgatat 120
 attacgggac tcaatcgaac atacaattaa aaacttattg tcgtatgaat ttgctctgag 180
 tttcgggtatt caatttcgag cgtctggata tattacgggt ctcaatcaaa catccgagca 240
 aaaagttatt gctgtttgaa gttgctcaaa gttcaacat tcaatatnaa gcctcgcgat 300
 atattacgga ctgaatcaga catccgagta aaaagttatt gtagtctgaa gttgctcaga 360
 gtttcaacat tgaatatcga gcattctgat atattacggg actgaattag acatccgagt 420
 aacaagttat tgcggttt 438

<210> 32500
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32500

agcttgtgag aatcanatca ctctgcatt ntatctctag catgcattct tnttttcttt 60
 acccactcct cacgtttggt tnttttagga aaaacaccat aactaaacgc gccacaaggc 120
 atccctatcg caccagatcc aaatctcaac gatgggtgat caagaggaga cacaggaaca 180
 gatgaaagcc gacatgtcgg ctctgaaaga acagatggct tccatgatgg aggccatgtt 240
 aggaatgagg cagctcatgg agaaaaacgt ggccaccgct gccgctgtca gttcggctgc 300

cgaagcagac ccaactctct gggcaaccgc gcgccatcct ccctcaaaca tagtaggacg 360

gggaaggaac acgctggggc acgacggcaa cccttatctg ggatacaa 408

<210> 32501

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32501

agaattatac aataacactt tgtgcccac catgaagtcc ttcttaatta tcatgctatc 60

atggaacttc ttggtctttt cttttagaaa cttggcattc tcatacgctt ctaggcggat 120

ctcatctaac tcaactcagt gcaactttct ttctcgcca gcttgatcca tagagaagtt 180

gcaggtcttc actgcccagt atgctttgtg ctcaatctca actggaagat gacatgcctt 240

tccaaagaca acccgataag gagacattcc tatgggtgct ttgtaggtag cctatgtgcc 300

caaagagatc atctagcctg gtactccaat ctttcctgct tggctgcaca atcttctcta 360

aaattctctt gatctccctg ttagaaattt ctgectatcc attggtctcg aggtgggatg 420

gtgtggatac cctgtgtaca accccgactt ttagcaacg n 461

<210> 32502

<211> 279

<212> DNA

<213> Glycine max

<400> 32502

agcttgtatt gtagtcatac ctacacaaat atatgtatgt gtgtataggt agtaaaaaata 60

ccttgatat gcatgtatgt aatttacgta gcacaacaat acctcacata atatacatat 120

gtatgttttag gtagcaagat accttgccct gcatgtatat agcaacaata tatatgagta 180

tgtttaggta gcaagatacc ttggatatgc atgtatatag caaaaatagc tcacaaaaat 240

atacacatgt ttaggtagca aaatacctta tgagaaaaa 279

<210> 32503

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32503

agtaattcga tgatatgtat atatatatat atatatatat ttaattatag cagtactcat 60
aatgtgtca tgtagataaa tattatacat atatatatag aggtgcataa aagtaactaa 120
acacattaaa tatatatgta agtaatcaaa tgtattatga acattaatat atatataaa 180
aagtgcgtag cgtattaaaa acattaatat ttatatattg acaccttaac ggaagcatat 240
atatttatat attaaacacg ttgccgtaaa caatttaaac attataatan tctcctccac 300
atacacattt gaaataataa cgtaaacggg tatatatata tatatagata tatatatgta 360
tatatatata tatatatgta tatggacata tatacagtag gagagcatat tatacatggt 420
gctatatata tagtacctgc ctcaatacac acctccatat ttccn 465

<210> 32504

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32504

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ttaccacaga atccagattt aaccttccaa ctctcaaagt ctactcttt ttccactcac 120
aacaccacat tctcactttc taacctagggt taactctacc cttcatctct aacagtttcc 180
ataggcaatt tcagcacata aacatcacaa gcatcatcat gaaaacccta aaactgaatg 240
gggatgttta actcatccaa acatggcaag ttcaacatgc tttcaacaag tttcttcaca 300
aataatcatc ataaagcaga aacctagcaa gactacccat catatctccc anaaccccat 360
accacgann atcaaaggag aaagaagtcc accca 395

<210> 32505

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32505

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acctggagat atgtcgcggc ggtcaggaga ccttgnngac gtcagggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tcccgtccca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcacgtga gtccttagca gtcaacagat aaaaggaaca aagaccacaa 240
 agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgaccgcc cgccatggcc 300
 tcggtaatcg attaccaagg gtgggtaatc gattacaagg ctaacaacat gaagacagga 360
 ggctaagatg gtctctggta atcgattacc acg 393

<210> 32506
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32506

cgaacggggg gnnccgtagac tccctgtaac tcacgggaat tnagaaagta ctcgggatcc 60
 tatagagtca cctgatgcat gcaagcttgt ttgataaaga aatgacgacc acgaagataa 120
 tgctggagta gtcttcacat gccaatatat taatggaata caaaatgtac catgaggcga 180
 gctggcacta ttacattatt atcgcggtatg catgacttat ttctgcccc caccaccacc 240
 ctactttttt ttaatctttt tcattaattt cattctcatt tccttagtgt tccgcttcta 300
 cctcttttct cattttttct attctcaaac tacgtgtctt caaaatttgt ttactttcct 360
 ttgtaatact actattaaga tctgtttctt gaatattgtc acgtctgctt ttttagtaca 420
 ctcatacttt cattttctgat cctccaccca ctgtcc 456

<210> 32507
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 32507

agcttggttag ttggaacccg aaggcatccc tttgttgaag acatcggtga agttcacccc 60
 ttccttcttg gaagggtcta acgatggaca aatatgatgg tgtcgcggtt ccggataagt 120
 agttggatgt ctaccttacc caaatcaact atacataagc gatgactatg ttttatgtcg 180
 aatcttccaa acttcattga agggcccacc attgagttgg ttacaaaaa ttcctctgta 240
 cttcatcaat ttgttcgaca ccttgataac ccaattcgac acttagtttg ttgcaagtca 300
 accctatcac ttgacttcta tggcactggt caatattagg caagacaaga agaaacctat 360

tagaatgctc aacgaaaggt tcaacaaggt cacccttaat atta

404

<210> 32508
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32508

tcatgattga atcaagaatg agtcatgaat caagattgat tcatgatgat gaatcaagat 60
tgattcaagg tgttttgatg ataataaaga tgatgacaaa aagcccaaga gaatgacttc 120
aagattcagt caagaacttc aagattgagt caagaacaat tcaagaatca agtttcaaatt 180
ttcaagaatc aagaatcaag aataatcaaa atcaagattc aagaatcaag aaaagactca 240
atcaagataa gtactataaa gttnttcaaa acattgagta gcacatgaag ttttgacaac 300
ttctcactta ccaaagagtn tactctctgg taatcgatta ccagaatgca gtaattggat 360
accagtgttg tcaaaatggt aagattttca naattcacia tgaagagtca catctgttga 420
tgtgtaatcg attacacctt aatggtaatc gattacca 458

<210> 32509
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32509

agctttctata tattaatgaa taaaattatc gatgcatgtg ccatgttatt tttgccctct 60
cacacgcagt tctgaacctc cttaggggtt tgactaatgt ccactttgtt cttcttttta 120
aatctctata caaaatgggt caccattccc tttcaaagtc atgtccacct taagtgagtg 180
tttccagcaa tagccttata ttggaatagc ttatccttga tcgttagaag tacaactgcc 240
aaggtgaaac atgaaaatgt tttgctctcc aacgcaatta gtcttggtgt caaggccatg 300
tggtcagcaa ctactgaata taaagcagcc tcaatagcag cggcttctct taactctcct 360
tcaaccatct ttatcttgtt ntccaagtag tcaatcttgt tgtctaaaat 410

<210> 32510
<211> 393

<212> DNA
 <213> Glycine max

<400> 32510

ctgagatcaa tccatctatg tatcatgttt gattcacact aatcatggat aaagaagaac 60
 taagacttaa tctatcactt atgcctaaac taacagcatt caatacaaat gtcatatctt 120
 ttaaaacggt tttgacattg taaaatcata gaacaaaaaa cctagactaa tcttcaagac 180
 ttcaaaatct ttgattcaac aatctcccc tttttggctt tgatcatgcc aaaccaaatg 240
 atgtgtattg atattctcct tgtcctttta cctgttctac atcatgctca acaaacatcg 300
 cagcactatc tagctcatca tagcatctag gtacatacac aatcaatcat atctttctcc 360
 cctctttggc atcacacaag caaaaagtga gta 393

<210> 32511
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32511

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 gtgcgaatca tatcaatgga agacaaaagg taacaagaag gcgggcgggc acttatcana 120
 ttatcatggg gatatattat ttatatccct cacctttatg atatactttt ttttcatttt 180
 ttttatcaca atcatttttt cttttctttc cggccaagt tttttcttct aatagaccat 240
 tttttttaat a 251

<210> 32512
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32512

tgcatgattt acattctccg cttttctcaa gcaaattctt aattcttctt gacatcatca 60
 aaatcttcat gatttacatt ctcccccttt ttgatgatga caaccacctg taggttanga 120
 gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttgg ttttgcaatg 180
 attgcttata tgagacagtt gaagatttca ttttttcat atgtaaacaa tttctcataa 240

acaatagatc atttttctta ctattttatc ttttatcttt ctcttcccct tcgccaacat 300
 caaaaacaat catgaataga gaggagaaag atgttaccac ttgttgcaat gtatgagaat 360
 caagtgatac caaaaggcat taaaacaatc attcaataat aatgaagcac aaacaagtac 420
 aataacacat caatcaaaca caatcaaat 449

<210> 32513
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32513

agctttcaat cttatatatc ttatgcgtgt gcttctgttt cttcatgcat aaccaacaaa 60
 agtattgact tatgtcagac aaaaatctat taccacatta ttagttgtat aattaagtac 120
 aaaagtgaga ggaatttggt tgctatcgca aataatctta ataccaacaa gtgtccaaaa 180
 gttaagaagt aaggaccact ctaaaataat cgcgccatac ctatatcaaa catgcatgat 240
 gtacctgtct ctataagctg gcattgccat gtcacttcaa acactttntg ttacantttt 300
 agtttctttc aaaatttata attaaatata aataaaaata ctacaataac taaatatata 360
 aatgatagta ttccattaac taatatta 388

<210> 32514
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 32514

tgagctgacc gttaagcgag gtgatgtgct ggacttatct tgtacgctaa gcgagttgtc 60
 ccaatcttca actttttctt cacagctttt tctttacgtt ttttcatcaa tcttctata 120
 aacacttgta atttttctt ttttaaatac tgttggtaaa aaattaacat gatattaaat 180
 tcctcattat ttcattaataa acaatagtaa attaaaagaa ttctaatacat tattagtcaa 240
 gatggactat caattatact taacattcac agttatcaca tgacctgcac cctccaacac 300
 catgattata acttgctgtg tagttgtcaa taatatgact gttgtcgata tccattgtgc 360
 cacaaccgac attgtgacca tcgtcatgaa catcagtgct gtaccaacat ga 412

<210> 32515
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32515

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 gtaattcgaa cttaaattat cttttaattc gttcctaaag atagatcgcc aaatctgttg 120
 ctaactgcac attaactctgt taaagactca cagattcatg tgtccagtat tttcgggcaa 180
 gatgtcctgg acatcgatg cgacattcgt ggatcctgca gcttcaattc ttcatttgac 240
 attttatctt gccttggtgca ttgtgcaagc caatctgact ccttgacata acgtggacat 300
 catgtgcagc aacttcagct ttccttcaat gtctaagtgc ttat 344

<210> 32516
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32516

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 catctccttc ttactccaag ctcttatcca tggcctccta tggcggcgag cttnttctag 120
 actcatcttc tccctgaagt ggtgtctcct ctctcttttc cttctccatt ccgccggcat 180
 tcactctcca agaagaaaag gaatccattg atgaagaaga tcctacgcct acaagctcca 240
 atggagctta caccatgtgg tatcaagagc atctccatct aggggatggt ccttcgctcc 300
 ctctatcttc tgtccggaga aatctctnta attacttggg cttcatctta ttctccatgt 360
 atatcctcca ttatcttgtg agatggcgct gtctagagt 399

<210> 32517
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 32517

agcttgaact tccggctgtg cgatactggg gaaaaattgt ggcacagtag aacttgaata 60

atcctccacg gttactcttc ttggctcttc agccatgatt gggctcttcaa caagttctat 120
atgagaatgc cctgcaatag gcaactagaa gatgcctcgg aagatcgagg ttattcttct 180
agagttgtcg atgcttctaa atcctgcaaa aaagttctga ttctctctga actacgcctt 240
ctacaagtgg tgttaatctc caaatcaatg ggaatcaaat cacctacagt ggatc 295

<210> 32518
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32518

tgcanaatgg gtcgggtcaaa ctccgagtat cgaccagatt gtagaacagt tggatcatgag 60
ctgacctaaag gtacataacc cctcaatctc gaaggcaaag cttggagaga ctaacagggtg 120
taaagtactc agtatttata taatcgaagg atacacaatc cctcagtctc aaaggcaaag 180
cctataaaga cgaacagggtg cacatgactt ggtatttata caaccggagg gtatatagcc 240
cctcagtcac gaaagcaaag tctgaagaga ttaaagtgtg aagaatccca tntacacaac 300
tggatgtaca tcagccatca gtcttg 326

<210> 32519
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32519

agctttgaga cgcattgtgaa ccttnggcat catcaaaaca ttcagcttga tcctttgtct 60
acaaatctct ttcatggcct accgaatgaa gacccatattg ctgccttgc cacatacata 120
gagatctgca acactgtgaa gatacccgac ttccagaaga tgccatcggc ctcaacctat 180
tttctttttc cttggccgat gaatcanaaa gatggcttca ttcatccaag ggggaagggtg 240
gagatctcat cattccacca attccctgat gaatcattaa gtgaagctct agaccattta 300
tatggcttac tccagaagac tccaacccat ggggttcaacg agcccggta gctaaatata 360
ttcattgat 369

<210> 32520

<211> 126
<212> DNA
<213> Glycine max

<400> 32520

tgcaactttc agaaccatgg gagaagatga gtgaaggatc tatagattaa attcttgaga 60
caaaaggggtt aggggttgaga ggggggtgggc tgctgcacac aaaagaaaga taatggaagt 120
tttgag 126

<210> 32521
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32521

agctnttatg tgaaaagatg tgactcttcg catttgaatt tgaatttcaa tgttcaaagg 60
tactggtaat cgattaccaa aacattgtaa tcgattatag ctttttgaaa ataattggaa 120
cgttgtaaat tcaatttgaa aacttttcga aacaattttg ctactggtaa tcgattacaa 180
caatctggta atcgattacc agagagtaaa aactctttgg taaaagggtt tgtcaaaaac 240
tcatgtgcta ttcaaatttt tgaaaaactt ttaataactt atcttgattg agtattctct 300
tcattcttga atcttgagtc ttgaatcttg atcttgattc ttgagatctt gaaccttgaa 360
tcttgattct tgactctaga ctntcttctt gagtcttgaa ttcttcttg 409

<210> 32522
<211> 435
<212> DNA
<213> Glycine max

<400> 32522

tgttacaacc agtattgttt atcctaccaa atcaggctca tacacaaaga agaagatata 60
tttgtttgat tgcacagtga ctaacactca atcgtattac agacagataa acaatcttag 120
cacgtactct tttctctcaa aaaaatcaag gtattttgag agctatttta aacttcaaaa 180
gaatttacat aaagtgattt ttacaaaaaa gaatttgaat gagtgcttta gttgggttctt 240
catgtcttca acaagtgttc aatgtctcta aatggataga tttctcctct taaagctcgt 300
ttgaaaaatg tggcattggg catttaatgc ttgattgcta gcatgtactt cttcaaaaac 360

cactattctt tgctaacatg ttgaacactt caacaagaaa tcacttcctt ttgtgtcaga 420
gcatgtttgt atagt 435

<210> 32523
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32523

agcttatcgg attatggngc acccgtcatt tgtggtacta ggtggcgatc gggcgatggc 60
acaaatcaac tatcccatTT ccacaagtca agcataagca caccatcccc aattgcccac 120
ctttaaatnt agctcacgtg cacgttgtcc cttctcctca ttcctctcag ccccggtgcc 180
ccatcaaccc ctccaagctt tcacaatate tagacaatcc aaattcattt gtcatgaaac 240
taccttaaac aaagaaaaat aaagtggagg cagaatcttt gcaca 285

<210> 32524
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32524

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aaatcttcat gatttacatt ctcccccttt ttgatgatga caaccacctg taggttagga 120
gcaacaataa agaaaaaata tctattcgca tatagtttac tcccccttgg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaaca attgtctcat 240
aaacaataga taatttttct tactatttta tcctttatct ttctctctcc ctttgcaca 300
tcaaaaacaa atctgaatag agaggagaaa gatgttacca cttgttgcaa tgtattagaa 360
tcaagtgata ccaaaagaca ttaaaacaat cattcaaatt taatcaagaa aaaataagta 420
caataacaca tcaatcaaac acaatcaaag acaatcaatc atc 463

<210> 32525
<211> 294
<212> DNA
<213> Glycine max

cccatcaatc ctctcaagct tccacaacat ccaagcaaaa caacattcaa actgcacaag 240
ctatcacagc caagcaaaaac agagcatagg cagaaaactt tgccaaaaca ccaaccaaat 300
cacagctttt ctacttaaa gaccccagta acaattcctt cgttctggtt cattaaccgt 360
tggatcgact cgaanattnt actggaagtc tctaatactt aagcctacat 410

<210> 32528
<211> 465
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32528

tctcccttat ttgctataaa tagggggaga agtgaagaag ataagggttc agcctcttan 60
gcacttctct ctctctcgaa attgctgagg aaaattatth cCGTgaagaa natccaagcc 120
gaggcgcttc cgtaacgttt cCGTgagaaa ttacgcgaag attctcgacc gttcttcaag 180
attcatcggt cgttcttctg tttcttcaat cttcaacggg taagtacctc aaaccgagct 240
tttcaattca ttctatgtac cCGTgggtgg ccacattntg tttcatgtat tnttattccg 300
ctttcattct cttttatacc cccttttgac gtgcttaagt catttattta agtcatttct 360
cgcttaatct aanaataaaa taaatttcca cCGatcgtht gaatagtatc atccgttaat 420
tntggctaaa atgaattccg accgttcggg cgtgccgtaa ccacg 465

<210> 32529
<211> 372
<212> DNA
<213> Glycine max
<400> 32529

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actcttagca aacaaagaaa gagcgtctgt caactggthc cctcgatgga aagaaggaag 120
aaccgggggt cttatttcat gcacggattt ccgaatgthc ccttgatggg gacaaggggt 180
tgcatacgtt acaatctgt tcttgctata aggcaacttg gctacctat gagaggggca 240
ccgctagagg aagagctcgc gcctatcatt tcacgaggtt tcaataagac caacgtggag 300
acacttcaga aggtccgcaa ggcattgggag gtgggtgaaa agaaggaaa agaactcagt 360
ggcagtaaca at 372

<210> 32530
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32530

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 actggtcacct ttcttccttg agttcactat tgctacccca tagagctccg cgaaatttgt 120
 tccgaccata ctcttccttg cgagccctct tggctctcttg ttcaaaggct cttgcggcaa 180
 ttgcattctc ttcccgtaac ccggcacact ccttcccaac gtgtgtancg gccaaactga 240
 acttctcctt ggcaagttnt gcctttccta actcgctnnt gagagccgga cttcttcgctc 300
 ctcttcagtg gcttaaagct ctctttgctg acgactttta acttggcgag ccaatctaaa 360
 cctcgtaacat gaactttt 377

<210> 32531
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32531

agcttgtgaa atcaatggaa tccaagattc tgcttgacac aagtcgttca attttgttct 60
 tagaaatgtg acctaagcgc ttatgccata atgctcctga gtttgtatta tcaattctac 120
 gcttagtacc atgcaatgag aattacacac gaagctacag tatcaagtaa atatagatta 180
 tcattaacca agagtgaacc agttccaaca atatctgaat taaaagacaa cctanacaca 240
 ttgtttccaa atgaccacaa ataaccgaat tatgtccaaa taagaaactg ataccaaatt 300
 ccgtctaaat gacggcacia caaaagtgtc tttcagatcc aaataaaaac tagtacataa 360
 taataatcta aagtgccta tagcgtccac ttccaccgat ttacca 406

<210> 32532
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32532

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 ggagcacaat aggtcgcattc aaatataatt taaaatgtac gctcaacatc ggttttcaat 120
 aaaaaactga tgtaacaaa ttgatgagaa cgtaaacatc ggttttattc aacaaaccga 180
 tgtaagggt gcttccttaa catcgatttt ttgaaaactg atattaacgt cgcttcgttc 240
 acatcagttc tcttcaaaac cgatgttaag gaatacacat tatttanaat taccacccc 300
 atttacgtaa catgcggtnt gtgaaaaacc gatgttaatc cgccgatgtt aaatctggtt 360
 cttctagtag tgaaccatac catcaatatt tcagttgatt gataaaata 409

<210> 32533

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32533

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 tataaagtta ttgtngttg aatgatctca gagcttcaac attcaatttc gagcgtctca 120
 atatatgacg ggactcaatc agacccccag taaaaagata ttgtngtctg aattggctca 180
 gagcttctac attcaatttc gagcgtttcg atatatgacg ggactcaatc atgcatccgt 240
 gtaaaaagtt attgtcgttt gagttggctc agagcttcaa cattcaattt caagcgtctc 300
 gatatatgac gggactcaat cacgcatccg agtacaaagt attggctcgtt gaattggctg 360
 agagcttaac aatcaatttg a 381

<210> 32534

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32534

tcggctcttg atacaggttc tatcctatcc tattatTTTT ctttgtaatt tgtctaggtt 60
 cgtgttttgt ccttgttttg ttatttgctt tcttgtttac atcttgtttc gttattgttt 120
 gcgtcttgcg ttctattatt tgcgttcttg ctcttgtttc ttgtgtcttt cacactctgt 180

ttgccttgcg cctgcttggc ggccaatact tcttgatgaa agctcggcta gtatggcgcc 420
tgatgacctt 430

<210> 32537
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32537

ttgcgtagcc gctcttggtg aagatataat cacgcgccac atatccactc ttatgactag 60
catatttgga gacactctag agacttgaca tgaacatacc ttccaacacg atgatacggtt 120
cctactgtac tgtttgagtg acgactgaca aggaccacaca caccggacct ggatgatact 180
tcatacacta ctttatgata agtgagtata tatgataata gtcttgagcc cgacgcaaaa 240
gataaactg cagtattatt ggcacttac taacttcacg gaccagatat cacgcngata 300
acaccatcag acaataattc caaccaagag gaaatcatga ctacacatag cagacgcaat 360
aacagaccag aacgcaacac acacaggccc aagtacctaa gtgacttctt ataatgacca 420
ctggagatgc aaccccgatc cc 442

<210> 32538
<211> 282
<212> DNA
<213> Glycine max

<400> 32538

tgcttctaca gttttgtacg atatatcagc caattgactc tgtgtgtcat taaactctaa 60
tatgcactcg ccttttgaa catggccttg atggatccga cgccttattc aatatgcttt 120
gctctagagc gccgaatata atttttggat agattgatcc cttcatatt gccacaacgg 180
atacgcatat gtacaagctc tcagccatta tcagagagtt gctgtctcat ccaaatgatc 240
tgtgcacata aacttcacgc ataaatatat tccgcttctg ca 282

<210> 32539
<211> 400
<212> DNA
<213> Glycine max

<400> 32539

gaatgcccta agatgatgat ttgtttggaa actggtatta ttttaacatcc tttcttctca 300
 atgtgactat gcaagtcatt atgtcagcaa atattcacac ttttttaaaa tcttcctctt 360
 ttgcaaagtg aaattcactt ttggcttgaa gcacatgaaa aatatgg 407

<210> 32542
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32542

tgtagaatgg ctagacatga tacatgtcag ggtttggtt ggttcaagga taaaagggat 60
 gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaact ttatgcaaaa 120
 ctggtcatgc atgcacctat gtggacactc aagtgtcaaa ttttttatgg tcatgtgatg 180
 ctaaggctca cgactcatth cctctattht aaatcaaccc aatgtttcca aaatatgttc 240
 ttttatccat ttgtgcattc atccgagtc atttcgggcg tncggcaaat ttcacagcat 300
 tacccttcag gtgtagacac attttccaaa aattggttat gatcaatgaa tttttttcaa 360
 agaacagttg gaagtcattt cttttcaaaa gcatgt 396

<210> 32543
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32543

agcttgatag cacgcagaga ttaacgtcgt ctcatgcgcc cttegtcatt cgcggccgac 60
 aagcccgttg acacgcggag atttacataa tcttcgcgc tcacaagata tgtcatactg 120
 acttttgagt cacgctgacg ggccgaatac ccgagtgggt atccgtataa acctttttgc 180
 tatctgtaaa acgaaaagcc tgatagcacg cagagattaa cgtcgtctcc tgcgccctta 240
 gtcattcacg gccgacaagc ccgttgacac gcggagattt acataatctt ccgcgctcag 300
 aggatctgtc atactgactt ttgagtcacg ctgacgggca gagatacccg agtggttatt 360
 cgtataaaca ttctttcttg ctatctgtaa gacgaanagc ctgat 405

<210> 32544

<210> 32549
 <211> 293
 <212> DNA
 <213> Glycine max
 <400> 32549
 atggtgacac tatatgatgg gatcaaccat atcatagcat actacagaat ctaatatattgc 60
 tctataatct ttatatattctt tcaacgaccg atcgctagtg tactacacaa gcattcacca 120
 tgtaaaactgc ttgcttctat tacactatgt gggcgactct ctccctatgca gatgatcaca 180
 tattcctgta atacaccgaa aggctaactt tgtttacaca cgaaaatgat cttcatgatg 240
 actatctacg gagatataat gatgagatgt atagaatgta atcttaaaaa cat 293

<210> 32550
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 32550
 tatggactta tggtttctat cttattgtga aaattttcta ggctttggag aaatataggc 60
 ccttgaacat actagctatt tcattgaaag gttggagaaa gagcttgaag agtatcatca 120
 acaccttgca aagtttaaaa aagggaaaga ggataccggg aaagatgtta gttttgttcc 180
 atattaattht aaaaaaattg tctatacaat gcttgattta gaaagaaaaa tgtcataaac 240
 aaactcgtht tcttgcttht ctgtcctctg caagttggaa tatatcataa cattttataat 300
 aaattgtgat ccagttgatg ttttgaaagt gtggcaaagc acatccacta gggattatga 360
 aacagtttga ttacactaga caagtataat ttaaaatcaa aatgatgaga agagaataag 420
 tggaaaatga ctaagctata taagtgttt 449

<210> 32551
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32551
 tagcaaccag ccccaaacc aatttttgtc gaaaccaagt gtcattgattt ctatattacc 60
 aattttgcta gctgttgatg ttgcatcata gttttgctat gtcattctacc tttgggtctca 120

tctctttacc ttacaattca ggcaattota tcattaccct ttttcaatat atagaattgg 180
 caacacccca catattaatc caggaaatcc caccactaat agtcagccta taatccataa 240
 ccaatgaagt ccccatctc caatttatcc catcttctaa ttttattgta gtttctgcag 300
 atttaaaata agcgtctggt tcttcgtttt aacataaatc tattgcttag cttataatcc 360
 acccaattct gccttttagtc attntcaaca tgcagaacta tcaacatgca aagagatctg 420
 attatacaaa agccaggatc aacagaaaac gtattat 457

<210> 32552
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32552

gtacgtagta cgtagtgaag ccaaaggtct gtcgacaagc ataatttcat catctctgaa 60
 ggacaactgt ttaatggtac atacgtgttc ggtgcaaaac tagtagcact ctaaaaaaat 120
 aggccgctgt cagaggcctt ctcatctgact atagttttaa aaatgcaata atgaagataa 180
 gcatctctcg actggcgtaa gaatatcaag tagaaaagaa accattacat gtaagcttcg 240
 gcgggttatcc ataatcaggt cattcttgat ttccctcaaa cggttccctt cttttacagg 300
 attctgaatg tgtttggtg ttccctcctga agatgaatat tttggaagtc cctagtagac 360
 gtaaatttct tcaaaaacttt atactntggt tgggaagatt agactgcaac tggttcactt 420
 ac 422

<210> 32553
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 32553

tcttatccaa ggctcatctt gcgggtgaag ctcttcttc catggcttat tccttaatgg 60
 atggcgctc ctctcacctc ctttcctttg tcttcctctg catctccatg gtggaaaatc 120
 accattaaag gacccattg aagctcaaag atcaagcctc catagaagcc ccacaagcaa 180
 gcttctctcc cgtggaatca gagcacaaga gcttcaagta ggtgcacctt aaacctccat 240

taattatttt tctttacctt ctcttccatt gttgattctt catTTTTtctc catgtatctg 300
 ctcacatgtc ttgttctaaa tgttattaac atgattcgtt agagtttcca ccgattaaac 360
 ttgctataga agtttagattc 380

<210> 32554
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32554

tgtgatggat agcaaaagga gtatgagttt agtatatact tatgtgtgga aggaaaaaac 60
 ctttcggcct tatgtctccc taaaaccctc ttttgtgctg aaatacttta ccccaaaaca 120
 cttctccttt tctccaagaa acccaccatt ggagaaacct taagctttgg tgttgtgcaa 180
 aaagcacctc tcccctctcc ctttagtttt tgttgactgt cccttgggtga agtaatctac 240
 ccctcttcct ccctttgttc catTTTTccgt ttctcataaa acatccatgg gagctcatga 300
 ccaagattgg gttttggggt tttgatttcg ctctgtggcta tttttgggtt tggggcaata 360
 ttgctgagat gaacttgncg ctggagtcaa gaaaagcttc tcncttggac ccaaagtcac 420
 catTTTctct ctctctcac 439

<210> 32555
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32555

ctctccccaa ttttctataa ataggggggag aagtgaagta gatagggggt cagcccccta 60
 ggcacttctc tctcttttga atttgcttga aaaaattggt tccgtgaaga aaatccaagc 120
 cgaggcgctt ccgaaacgtt tccgtaacgt ttctgtgagg aatttcgcaa aggtttcgac 180
 cgttcccgac gttctcattc gttcttcate gttcttcgat cttcaacggg taagtacctt 240
 gaaccaagct tttcgattca ttctatgtac cctgtgtggt ccacattgcg tttcgtgtat 300
 ttttattctc gtttcgttta ctttttatac ccccttttga cgtgcttaag ccattntatt 360
 taagtcattt ctcgcttaac ctaacaataa aataaatttc caccgatcgt ttgaattgta 420

ttatccgcta acttcgggta acatgaattc cgaccg

456

<210> 32556
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32556

gttcgattca ttctatgcac ccatcatggg ccacattgtg tttcgtgcan ttttattctc 60
 gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
 ctcgcttaac ttaaaaaataa aataaatttc caccgaatgt ttgaattgta ttatccgcta 180
 acctgcccc caacaattcc gaccgctcgg tcgtgccgca accacgcttg aaatcaaaaa 240
 gagataaaaa aataatataa ataaaaaaca acatctttta gtaaaataaa gcggaaaaatc 300
 aattggacgt tttctctctg ggatctctca ttcttaatcg aattgattaa taactaaagc 360
 gaaactaacg ctaatatcaa ctgccttagt caagctcgtc cataaaaaat 409

<210> 32557
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32557

tgccaccag ctgcgccaac atcacaacaa cttttgaatc aaaggatctt gcttctatga 60
 cacatgctaa gctatttggg aaattaaggg aatacgaaat ggactagata ataatgggtg 120
 aggaagaaga aatagacaaa cagattaagg gcttggcctt gaagaccacc attctgttaa 180
 gcgcgatagt aaaatgacaa tgcaaaaagg ttagatgcta agaactctaaa ttttcttgta 240
 aaatgggttag acaaatttct caagaagaag aagaagaatt ttgatgatag aacctttcag 300
 taaaaaaaga acttcaagaa gagtgaaccc tcttctcct ctggctntac atgctntgag 360
 tgctacaaaa caggccatat canagtagat tgccccacct accacaagaa gcaat 415

<210> 32558
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 32558

tgagtgagcc accactacta ttatTTTtgta tagtggaaga atctccatat tggagaatta 60
 gaatcgtatg ctcccattac taccttcctt taattactaa gtgtctatct taaacttcac 120
 gaagtggaaa agtttgagtt ttcccaacac ttctaacaaa cattagaata aatatttaca 180
 tctgccattc caacaatcca gattttgtaa aataaatggt tcctaacatt tttctactat 240
 taattaaatt tatttgaaat aataaatttt ggtgggtggt actttaaaat ttggagagtg 300
 atcgacaaat tactaaatga aaaagtgaaa cttaataaat atgttgTTTT caataaattc 360
 tattcgataa tataccctgt taagaagagt gttagagagt gcccgTcaat attcgtctta 420
 ttttgtctca tctaccattt g 441

<210> 32559

<211> 318

<212> DNA

<213> Glycine max

<400> 32559

cgacacactg accgctacta tagcttgaac atgacactta tttcacaacc atcggtcttt 60
 ctcatcatct cccaaatgct ccatataata tatttctttt cagcctcaaa cttatcttat 120
 cttgctcaat aaatgcgcgc atgatagggc actaccctga atctgacata atactcccc 180
 ccacactcca tctattggtt cgaatggatc tctttgcatt atacagcatc accttatctt 240
 tgaccttggtt ggcagcaaac cgaagacata ccacctgtcc aatccaattc ttatgctagt 300
 cacttagcta ccacctac 318

<210> 32560

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32560

ccaactatTT aatcgattgt cttaccgcga caaaacatgt gctaaatctc aatcaaacaa 60
 aatcctaatt aactcttata gtgtgtccgc acggagaaac tcacaactct aaaaaaattt 120
 aaattctaag aatttccaat attccaattg aaattctctc attctccaaa ctttgtgttt 180
 ctcccccccc ctccaattat gagatgaaaa aatgaatga acaaaaagac aaaacatgat 240

tgctatgcta gttatacgta ttgctcctct atactcacac tccatcgata ttttangagc 300
tcacacgggtg tttc 314

<210> 32561
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32561

cgctactnac acgctatatc tcttttgtaa gactattaaa cattatacat ctcttacaat 60
ggaagacaga agatacacia tactactatt cctaagaaca ctctcttctc cttaataatg 120
atcattccta ctctctattc tttcacagac atcactttca aacacctaac gcatttttccc 180
ccctcctccg cgactgaat ttaataggat ggatataaaa ttgacacgag tgaccttctt 240
actcccttga agtggtctgt ttgcactcg tgatataacc gtcaaaccca gtgtagctcc 300
cccacgttga gacctatgag ccttgctctt tgccacacac aacttctttg ataagtctat 360
cttaaagact tccatttctt cacaacgatt atcccgatta tactacctta cttggaacac 420
tcaccaaac aaggtccc 438

<210> 32562
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32562

tatcanaatc tactcttcta ngaacttata gaaagcttca cattctatct tatgaataag 60
gtctcaatta atctgaacat attgaatgac ggtgtgtttg cgagaacttg tgtaggccta 120
tcttatgaca taaatgccgg tgtaagtgtt tggatgagct catgacagta acttacgata 180
tgtncctccc tcgccccaac taatttcaat atnctctata acatagctta tgaaaacaac 240
ttaaccgctg tattaaaaca gtttaatat tcatcttcaa ttctcaaat actttttaca 300
taagtgccta catgtgtgta attggataaa caacttaaga acttattc 348

<210> 32563
<211> 458

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32563

tcaagagacc gcttcaactt caagaagatc ttggaatgtg gcatattcaa agagtcattg 60
ttactccaaa agtctaggtc aaggtgaatt aaggagagag attgcaacac aaaacttttt 120
cattcaatca atgagttcca taggcatgga gtccttccaa gaggtactaa cttatctttt 180
ttagatcaac tgccaatgtg ataatacaca aagtttagat catttttagac ctatttcttt 240
ggttggatgt ttgtataaag ttttggcaaa gatttttagct aatagaatga aaaatgtact 300
tgataaggtg attgatccta gctaaagtgc tttcctagag gggagagaag ttctacataa 360
ttcgggtggtg gccaatgagg ttgaggatga agtaaaaagg ggaaaaaagt catgtttgtt 420
gctcaatgtn gcatttgaga aggcttcaa cttgatgt 458

<210> 32564
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32564

tctatggagg ctggatcttt gagcttcaat gagtttcttc aattgtgatt ntcaattcta 60
gagatgcaac gaaagatgaa ggagaagaag tgagaagagg tatcatccac tagggaaaag 120
ccatggaagg aggagcttca ccaccaagag acagccttgg ataagaagct tagagaggaa 180
gattcttggg ggaaagaatg agagagagag agggggggagg cacgaaattg aaggagaaaa 240
agagggagag aagttgaact ttgaagtgtg tctcacaagt tttacattca tcaaagttat 300
gacaagtgtt acacatgttt ctatttatag cctaggtcac taactaaatg aaagcttctt 360
tgagaagcta gagcttagct acacataccc ctctaataatc taaggtcacc accttgagaa 420
gcttccttga gaagttaaag cttagctaca cacaccc 457

<210> 32565
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32565

ntatactntn tatatgttaa aatccttaggg aatccttata atatatcaat aaccaccacg 60
aacacattct gtcagattat caagagaggt tatgaagaat acctagatcc ataatacgta 120
gcggaattaa caattataag gagcaattga ttggtgatct tcttcaacca aatcattggt 180
ttccttggtg agacttcatt ttctcctcaa atggggagaa gggaagttgt ttcttgattt 240
ggtgtattgg ggaccacaac catgctttgg gtttttaacc tattagagtt ttcattattc 300
cctaacgggc caaacctatt tccactttta agcccatatt aattttctga tgatagccta 360
ataggctcac caaattagat cacttatatt gagcccatag aanaatataa ataactaata 420
taaagtgtat aatataatat gtagccaca ttaatt 456

<210> 32566

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32566

ntgtataatc tgagatacta gtctacaata ctaccagatc gaatttataa aaccatcttt 60
cttaaataat tgaggttcat aatcattagt ttttttttaa atgatatatg aacagtgcag 120
cttttttgtc ttggttataa ttgcattgat ccataccact tggttacgag cttgcttaga 180
aactcaataa ttagagctac ttgatattat tgtgtaattt ttttgaaact gattgcgagg 240
aactgtcag caactcagca tatattcttc ttcttttttc attaactatc agcatatatt 300
ctatatttcc aaattttagt ggacgatata taatagtttg atattttgat tcatagtctt 360
ctatgtgtca gtgtatttat tatacatgcc ccggcctttt cttagctccg ggaccaagtt 420
ctacgtaaaa tacaattata t 441

<210> 32567

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32567

tatagatnta accaatgctt ctatctagtt tatggttcta ttatcacttc agaagtgttg 60

tctgaatttt tcttcagaat gtttgtactg aattttatat atattttcttt cttactgaat 120
 tgtgcgtgtg cgtgtattta tttattatgt cttcagttgc ttttatcgct gttcttttgt 180
 ttccccacc taccctttgt aacgaatctt tttaatatgt aagctcattc ttgctcgcta 240
 ttgtatttgc tctttaatca ttgactgac cttttttggc tggatgtacg gactgcgtta 300
 gtgagttcca cttcaatcca gtcttgaaca tcgaactcga tcaaactatc catgtgctta 360
 ttgactgagc tgatcgaatt acaacatcaa atatttttac cgt 403

<210> 32568
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32568
 tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
 agcaagacat gaagagccaa tggttgatac atggacagag atgaaaaaga tcatgaggaa 120
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180
 aggcgcacgg gggcgaggag tatttcaagg aaatggatgt gctcatgatt caagcaaata 240
 ttgaagaaga tgaggaggta actatggctc gatttcttaa tggtttgact aatgatatcc 300
 gtgatattgt tgagctgcag gagtttggtg aaatggatga tttgcttccc atagcaatcc 360
 aagtggagca acaattaaca aggaaggag t 391

<210> 32569
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 32569
 tcatgatgaa tcacgattaa ttcaaagaag tcttgatgat tattaatagc tcaaagatca 60
 agactgagtt caagattgaa tcacgaacac ctcacggttc ccgaggaact ttgatcttcc 120
 gaatcaagaa tcaagtttca agattcaagc ttccatgaat taagatctcg attccggaat 180
 atcccccca cccagacac ttaataggga aagtatgaat ttttct 226

<210> 32570
 <211> 450
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32570

tgggatactc ctcgactntt atatcaaaat ttgtttgaca taacaagtgc ctccaagcca 60
agctattagg cacgttaacg ttcagtcca ccaatccatt gatccactct atatatactt 120
ggtagttttt cattccctgc ccgacacgtt cagcgaatg ctcaaaagcc acgaggatcc 180
gctccctctt ctccgtaatg ataacgtttc ggccctctcat tggtttttca ggcacgcggg 240
aaagagattc ttggatttgg gaaaatgaca gaaagataca taccatgtg ctgatgggtg 300
agttgagtgt gtttgaatgt tcaacagtag tatgcctgag agagaattgt ttctctggga 360
acaccatctg gcatgtcatg gctatatatg aatgatattat ataagtactg catgtatgca 420
gccatattgg atctttgtgg gacatgggat 450

<210> 32571

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32571

tgctgccaaa acaacagaag tacagatata atagatggaa ctggttggtta atatctactc 60
catatccccc ctgcaaagaa tccaaactcg ttcgacaatt ttatctgaat ccgaaatagt 120
tactgtagac tgtgtgtcta tatatatata tatatatata tatatcaaaa gacgttggga 180
tcccacatga caaatcagac aacaattttt gggagtgtga aacatggctg ttgtagtgca 240
tggtggaagg gaattaaggc tgagtgtgat tgacagacac aaataaagcg actcttcatt 300
ttatgactnt ctccatgaaa ttaggtacta ttatgtccga ctctctaaaa ttattagggc 360
tcctttaaaa aggtggcaag ttttttttct ttctttctct tttcaaat 408

<210> 32572

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32572

tgatcaanac anaatctata cattogaatc cactcaattc atacaactct cattcatttc 60

aaacacaacc attcatttca aacaaaacaa accactgaat atcaaattca actagttcat 120
 tgttcaaaca tgcttttgta caagctacac aactcaaac aacagaaatt taaaagacta 180
 ctccagcata actaaataac tgacatgaac taaatagctg ataaaataaa ctattcaaaa 240
 ttgcaaaaaa tttaaaaact atgcaggatt caccatctct cccttgataa tggggaaagt 300
 atctcaccag ctctcaaac ttggctggat atttagccac aatcatgttt ccctgcttga 360
 gctccaagaa ctccatctct ttcttgttcc taacttcctc gggaaagtat ntctncaaaa 420
 ataccctctt ga 432

<210> 32573
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32573

taggctaaat taggctaaaa ctnttgtaag ctacttgagt tgagtctagt cttacatgag 60
 ggatttgcg acgaaactca gtttaagtta gtctaaacgt aagaggactg tctaaattgg 120
 gcctggctctt acatgaggga tctacggacg aagcttggat taatatggcc tgatgagcat 180
 cgaggctaag taatttaggc tacaacatag aacataagag catgattgat tagagaaata 240
 tatttctata catcagcttg ttgttagaa agacctaaca tttctaccta ctgctatcat 300
 ttttatttac cttgcattnt atagttctag cataaaagt tagtttaa at tctgtctaaa 360
 attatcactt atacatgtta tctcaacaat gttcaattc taaacttaag tcacgctaac 420
 attagt 426

<210> 32574
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32574

nttaaagaat catgctnctg gaaaatcata taaattgtgg tcaactcttaa ataatgatt 60
 ggtaaagaat cacacaagat aaataattat agaaaaataa aatatattaa aatttcacat 120
 caattataaa taataacaaa ataaatttac aaactgcttt tataagatta atatatatat 180

atataatcata tatataatat atatataatat atatataatat atatcacatg attaataaaaa 240
cattctctcc tcttttccgc tctggccttt gtgttattgg agagagagat atcaaggcct 300
cgccctctat atattatgtc tgtctcctaa ttttaatgct aactcacaca aattacatgt 360
ctaaaaattc ttatctgaat accgatagtg ttctttcgtc aag 403

<210> 32575
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32575

ntcacaacat ccaagcaaaa canaattcat acagcacaag ctattacagc caagcaaaac 60
agagcaaagg cagaaaactc tgccaaaaca ccaaccaaat cacagctttt ctcaacttaaa 120
gacccagta acaattcctt cgttccggtt cattaaccgt tggatcgact cgaaaatttt 180
actggactct ctaatattaa gcctacattg tgaccgttgg gatctactag caaacatcca 240
gaactcattc tgtactactc tttccacagc caaccacaca caagcatttt tctgcacaaa 300
gccaaaattc tgctgcacct attttgacag caaaattctg cataagtgc gattttcgaa 360
aatcacactt tcctcatcc aatattgccc taatcaattc ctacaagtcc cacatcatgt 420
atcaatcatg tctaaaccaa agtcaagctt tanagcaca c 461

<210> 32576
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32576

ntntatccaa gacactctct tgggtggtgaa gcttctactt ccatggctta ttccctagt 60
gatggcgct cctctcacct tttctccttt atcttctact acaacttcat ggctaaaaat 120
caccattgaa ggacccatt gaagctcaaa gatccagcat ccatagaagc ttcttaagca 180
agcccatca agtgtatcag agcacaagag cttcatgtag gtgctcttta aacctccgtt 240
aattttcagc tataccttct cctccattgt tgattctgca ttctttttct ccatctattt 300
cctcacatgt cttgtgttga atgttggtta catgattctc tagaattttc accgattaaa 360

<211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32579

taacananag aaaacaatag acagaagaaa gctntacaag atggttgacc taagaagatt 60
 atgacaacaa agaacactat tatacaagggt tggcatgttc taaccaaagt agaactgaaa 120
 gactgagggt ttttttttaa agttgttgat tattctttga gttaatattc tattaatttc 180
 taacccgccc tgcgcttatt cattggcagg tgtttatatt aatgaaacaa gttatgccct 240
 atacatgcat tttgcatcca atgattgaag agatggatga aattatagtt gcgcaagcca 300
 cggcacatgc cgggttaattg agaaattaat cccaaataag tataaaaatt aaaatacata 360
 tataatgctn tacaaaaatg gcatataatg cctataaaag ggagggagat cctttagctt 420
 aagcattcca attntcacga ctatacttac tatatatata 460

<210> 32580
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 32580

taatagaccc tcgtggaggt acagcagtaa gaagaacgta taaaaccatt ctagaagcta 60
 ggggtggtga tgtaaacaga ctataggccg ctaggattgt tagttagctg ttacgtaact 120
 aactacatgt ataaaagcca tgcaacgaacc cgtgaaggga ttatggaaat aatattctca 180
 tttccagcta gatctttctc tctctctctc tctctcgtag aatatacagt ctcgaggaat 240
 gctacctcta gcattggtgc tttcattgca tctctccgc catggctgat gcaacacgat 300
 caaagacaag catggagcgt tgggaagacg cgtttgcaaa gctctttgca tccatgacgt 360
 taaagttega cgaacttctc agccatataa atcacctaga aagcctccac gccacaatc 420

<210> 32581
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32581

gttcgattca ttctatgtac ccgtagtggg ccacattgtg tttcgtgcat ttttattctc 60
 gttgtgttta cttttttatac cccctgttga cgtgcttaag ccatttttact taagtcattt 120
 ctcgcttaac ttaaaaaacaa aataaatttc caccgaacgt ttgaactgta ttatccatta 180
 cttcggctaa ataaatttcg accggttcggg cgtgccgtaa ccacgttaaa aatcaaaaag 240
 aggtaaaaaa taatataata atcaaaaaga catcttttag taaaataaag cggaaaatca 300
 atcggacgtt ttctctttgg gattttctcat tcttaatcga attgattaat aactaaagt 360
 aaactaaagg ctaanatcaa ttcgcctagt caagctcgtc cataaaaaata ggctcttgaa 420
 gtttgtcatt tcattntctc actaagtaaa a 451

<210> 32582
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32582

tgattcgtga gttgattcta accttggttt cactttgatt attagtcaat taattcaagg 60
 aaacttccaa agaaaaatgc cggattgatt ttttttttat tattttattc aaagatattt 120
 tgattatattt attattattt tttcaagata ttttgattat cctattatta ttttgctttt 180
 tccgcccact cacgttacaa cgtaaacgat cgggttagatt ttactttaat agtgattaaa 240
 caacattaca ataccaatga tcggntgaaa ttcattttat cattttattag gcgagataac 300
 ggcttatata aactgttaaa gcacgttaaa aatggaagag aagacaacta acagtaagcg 360
 aaattaaagt gaaagtacac aacaagtcgg gaccactaag ggtgcataga atgaattgaa 420
 agattcgat 429

<210> 32583
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 32583

cggtgacaat aattgggtga aaataatata tcagatgaaa gataaatagg caactgctca 60
 tatgcacaaa aagttcattt gtgggatcaa aacaacgtca atttgaag gtattaaatc 120
 attcatcaag cgatatgtgg agaaaaagaa tagcctggtt gatttcaaca ctactagaaa 180

attcctttta acgcgggttct aatatacatt taacgacggg agttgaacca tctttgaagc 240
 caacgacatt aaaagtcatt gatgtaccat gacgattatg gaataaacca tcttaaaaaa 300
 tatgtctctt ctaagatggg tcttatgtaa ga 332

<210> 32584
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32584

ggcctaatta acctgaaatt gagaganaat gattattaaa cacacaaaat ggaagtacta 60
 agtattttatt atctatactt aacaaaaaaa tacttataac actacaaaat aaccataaat 120
 tggaagagtt tgatacaatt tacataagtt ttatacacaa aagttattca tatttaccga 180
 cgatcttctt acattcttat tagcagcctc aactgcccc a tcatcttgg gccgataaga 240
 cgtggaatta tgggtgttga ttttgaaatc ctcacacact ttcttcatca tattgttgtt 300
 taaattgggtg gcattatcag tgatgatctt tntgggcaaa ccatatctgc aaattatttc 360
 cttcttaatg aacctaata caacattcca agtcacacta gcataatgaag ctgcttcac 420
 ccatttgctg aagtaatcaa tgggtgactaa atg 454

<210> 32585
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 32585

taatccatcg ccactttaac taataaatga aaaattattc atttaattga tactatgcta 60
 atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggtgtt 120
 caattaactc ttgctgcaat gaagagcatg cgataccata cccagattg caacaatgcc 180
 cacagctacc atgggttttg catcagggtc agtggcacta cacatttctc tgtacatcgt 240
 tgccagacaa gtagagcccc aactatacca cctgactcgg tcgagatcaa ccaacacagt 300
 gaggtacatc aaatgaacct gatttcccat cttgtatggc attaaaacc caccaattag 360
 ctgcaaaatg taagctctac aatgtgcttc taactacttg tgtgtcgggt ccaagtgaag 420

cagtggcata ttatcttgca accactta

448

<210> 32586
<211> 188
<212> DNA
<213> Glycine max

<400> 32586

tgatgtcgag cgtactgatg ggtaccatga ggtgtcttct gtggtttgac ccacgcgggt 60
gtcgaagaga ctgcatgggc atctccttcc ttcctttatg cccccgttgt cccgactctt 120
ttggcattag ccctcgcgga tcaaacgtaa tcgaaccttc ctcttttcaa cacctaatag 180
ctcccccc 188

<210> 32587
<211> 302
<212> DNA
<213> Glycine max

<400> 32587

acatttatct gtatggtgat ctgcacaaga acatagacca cagactctcg caacagggtgc 60
agatctttga ttcattggcaa gctgagttac taggttgacc aacgcataca attttccctc 120
aagcttttta tttttaataa atgaagaccc cccccccac ctcatgaact tctataaaga 180
caatagcatc actttttgca ctgaactggt cggagccgga acccactttc tcaatcaaat 240
tcctgacctc aacaggcgtc atatcaccac aggctccacc attggcagca ttaatcatac 300
tc 302

<210> 32588
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32588

taatccatcg ccactttaac taataaatga aaaattattc atttaattga tactatgcta 60
atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggtgtt 120
caattaactc ttgctgcaat gaagagcatg cgataccata cccagattg caacaatgcc 180
cacagctacc atgggttttg catcagggtc agtggcacta cacatttctc tgtacatcgt 240

tgccagacaa gtagagcccc aactatacca cctgactcgg tcgagatcaa ccaacacagt 300
gaggtagatc aaatgaacct gatttccatc ttgtatggca ttaaaaccnc accaattagc 360
tgcacaatgt aagctctaca atgtgcttct aactactggg gtgtcngctc caagtgaagc 420
agtggcatat tatic 434

<210> 32589
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32589

cccctcgtca cttctntcac agtcgacgag gcagnttgag agaaagttca acacgtcacg 60
ctcacacata cccctctccc acaaccgagg cgcgggcgcn ctgctgatac actcgtatta 120
cgtncactat atatactaca gctacgcacg atcttgaca tcacgacaac tacaacagtg 180
tctgcttctc attaaagagt gcatcattta cattcagaac agggatgact atctgaccga 240
acttgctgat gttgttctgg atacctccta ccagcataag tctcaatgta tgatacccta 300
tcttcacacc ataaccattg gttgactgcc ctgcgccag caacggccaa ctggacgtgt 360
atacaagtag ttgcatcct tatgaatgag atctcacata taaaactcgc ctttctatct 420
tctaagact cattcagacc ttgcgaaact cacctcgaat gctctctcac ccatctgact 480
cgaagatgta ttcttctca catcacctat ccagactatt ccgagccaca ctatagccat 540
gaacccatgc tcgacatcca cctgttcttc catatcgccc ctccccccgc cg 592

<210> 32590
<211> 514
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32590

cgacggcgcn gnnnncttga gacgctggta tgtacgcgca ctatgaataa tcatgtgcct 60
cgagatatca ctaaataagc aacgcgttag ctacgaacgc tctctatcgc agctaagctg 120
acgcggacgc tgtgctgcat gagattgtcc acaactggta cctatttcga ggaatacggg 180
ccacgacctg taatacgggg ttcaaacgcg atactggcta taatggcgaa aggacttggg 240

<210> 32593
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32593

tctggtggga catcttgact tgctctccaa tctgacattc accacaaatt ctgccttctt 60
ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggacg 180
cacatgtggc gagtaactgg tttcttgagg tgtccatagg tagcagttgt cctttgatct 240
gctcgccttc attagaactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300
gnttacattg aatccttcat cacacagctg actgatgctg atcaagttcg cagtcagtcc 360
cttcaccagc agtactttgt ccagactagg aagtccatca tggact 406

<210> 32594
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32594

cgcgctgang gngnttttga tgcantcgct agaccacgn gaantataga aactcacgct 60
ctgattgtat gtgatcctaa atggatcaca atctacatat ttgctttgaa cctgtcactt 120
gaggcaatgg aacataatga aatctcacgg acaaattctca cgcatagtct tgagtcttga 180
agggcacatg tcatacatat cagactaacg aatgtcctgc cgccacgatc cttggatctg 240
ccccccctc cgcattacta gaataaaaat aagacttaat tttcaatcta tactgcaaact 300
ctctaaaact gcgttatgca acctccatct cattacgtat atgccccacc caggctctgcg 360
atttcaccag actctatatt ttcacgaaca tctcagcaga tttaatctcg ttaaaactca 420
tatcgcaatc aaattataac aatattacgt ccacctctga cctctgacga gacaaatgag 480
ggtctccg 488

<210> 32595
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32595

tctagccana tggacttacc ttgaattaat tcctttgata gccccttga gcctatgttc 60
cccttttctt tgttttgaag ctcattacaa gccttaaggg aaaaaccatg atctcacctt 120
aaccttaagg aattttggag ctttgaatt gttttgggaa taagtgtggg gggttttgtt 180
ggacacatat ttcgtggcta tgcttcatga tgtattttgg gccatacttg atgtacattg 240
tatactgggtt aaatgttga catgctgaat gatatgctat ttctcaaag ctatagttaa 300
aaaaaacaaa aaagaattta gttgaatcaa ttcgaaaaaa agacaaagaa aagcaataaa 360
gttgagtga taagatctta catggaaaaa gaatgatgag actcttggct ctactctctg 420
catctaaatc ttatctttag gttctcttat cttttctt 458

<210> 32596
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32596

tctagccaaa tggacttacc ttgaattaat tcctttgata gctcttctga gccttgtttg 60
cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttggagct tcggaattgc tttgggaata agtgtggggg gtttttgttt 180
natcccacca ctcgtttgtc ggctatgctt catgatgtat tttgggccat acttgatgta 240
cattgtatat tgggttaaag ttggacatgc tgaatgaaat gttgtttcat aaagggttaa 300
gagttctaataa 312

<210> 32597
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32597

tgttcctatc anatattgta ggacaataaa gaggtataag gtgaggatgg aatagttgag 60
gcatagatac gatgcaagct cgataaagga gatgaaggct ctacaagaga gtctaggcac 120

acttctcgtg taggaggaga agttctggca gcaaagggaa aaaaatcatt ggcttaaggg 180
 gaaccaacta ctagactttc aggccacgac atcacggcgg aaaggaagaa acacattaaa 240
 gaagctccaa ggagacaatg aggttgaggt tcatgatcaa gatgggtatt atgaggtagc 300
 aaaaaatatt ctactgattt cgttactgtc tcgaataagg tttatgagcc aatgttgag 360
 gtgataaatt gttgcatctt agatgaagat aatgagaaac ttactgcaat gtttagttta 420
 gaggagttaa tagaggtagt gtttcatatg gataac 456

<210> 32598
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32598

tctagcgtac ccgctattgg tgctcagaaa atcctaagaa cttattcctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgttgctc gttcccgtat 120
 tagttttttg caaaaaagaa aattaatctg aaacaattca agctgaatcg ttatcgttat 180
 tattcccagc accatacgaa taacagctaa acaagtaatt taaaatgtaa cttttaaatt 240
 atgtgggtatt tttttaatta caattctact tcaatatcta atcttgtaa tctacttagg 300
 ccgattgtta aatatcaata tgaatttaaa ggtgatctac tgataatata aagtacttgc 360
 taatcacaaa ttatgatagc tatcacttct aaatttaact tacttctata aatat 415

<210> 32599
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32599

ctaatttcat gcacaaatga agggataaga ctccaaaaga ttntttgttc acaaaggcca 60
 ataagctttg gtgtaggctc tctttgacaa ggctttgtga cactttcagt gacccccttg 120
 gcagccaatt tgaacgtgcc aagccatacc acaaatgggc atttttactt ttgcaaaac 180
 aacaaacatg gacggataag atttgccaaa aatgggtatt ttctcctttt accaaaacca 240
 gtaaataatta tcttaattgc gtaggttatt gtgttaatct ccctaggaat acatgtacct 300
 agagtaatcc tcatacagag aacactctca cacatagtta aattacactg tgctcagtg 360

ataatgcaat ttcactactg atgaaattnt ntatctaggc agtttccaat ttatgtcaac 420
taactaaata aattatttcc acagaaaata aataaa 456

<210> 32600
<211> 448
<212> DNA
<213> Glycine max

<400> 32600

tgtagatctt taatctccaa tacttcttca caagtttatc aattcatgat gataaaatga 60
gtgattcttt gatcaatctt tagactaatt gcagtgttat tcttttcgaa gactctcttg 120
aaatgttttt ctctaaattt gaacaaatca agagtatttt taaaagaaaa cacatagggg 180
ttctataaat ttgacagtta aaacagatcg aatcgattat caaacaaggt aatcaattaa 240
ttcaacaaaa tccattttgt tttgcatttc tagaaactgg ttaatcaatt attagatagg 300
gtaatcaatt aattcatttt agtatgagaa tatttgtaac gatttagaaa catttaatgt 360
tgttacattc ttttagggta gaaaaatcat tatgccatt ctatatatta ctcagactca 420
acacacagcc tagagagggtg gtcgacta 448

<210> 32601
<211> 456
<212> DNA
<213> Glycine max

<400> 32601

tgtaggatta tggggtaccc atcacatgtg gtactagggtg gcggtcgggc gatggtgcaa 60
aacgattctc cacatccaca aatcacgtat aaccaccat cccctgttgc ccacctccaa 120
ctgagctcac gtactccac gtagccctta tctctgttcc tctcaacgtc ggggtcccat 180
actcctccca agttccacaa catccaggta attccacatc caatcatcat ggactaacia 240
aaccaagcaa aacagggcaa aggcagaaaa ctctgoccaa aactcacacc aaaaatcaca 300
gctttttctc acttaaggac cccagtaaca tttccttctg tccaattcgt taaccgttag 360
atcgactcga aaattctact ggaagtctct agtcataag tctacatttt gaccgttggg 420
atctgctact aaatgtccag aaccccatat gtacta 456

<210> 32602
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32602

tatgctgcan atattttacaa tagacctcct caacctcagc agcaaaatca accacaacag 60
 aacaattatg acctctccag caacagatac aaccttgat ggaggaatca ccctaattctt 120
 agatgggtcca gccctcagca acaacaacaa cagtctgctc cttccttaca aaatgttgct 180
 agcgcaagca gacatacatt cctccaccaa tccaacaaca gcaacaaccc cagaaacagc 240
 caacagttga ggccccctcca caaccttccc ttgaagaact tgtgaggcaa atgactatgc 300
 agaacatgca gtttcagcaa aagaccagag cctccattca gagcttaacc aatcagatgg 360
 gacaattggc tacccaattg aatcaacaac agtcccagaa ttctgacaag ctgccttctc 420
 aagctgttca aaatcccaaa aatgtcagtg ccatttca 458

<210> 32603
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32603

tcctcggggcc attcctgcga gagacaacat tcggaaagtt tagtttacca gagggacatt 60
 actcttaaaa caaagatggc atacaacctc ttcccatata catgaatgtc tatgtacagc 120
 cagcttatgc gtatatttcc ttacaaacgc cccattgcgc aagacattct tttaaataag 180
 cccctcgccc atatacaatc aaggcagctt ngttacctag attatttaca tgtacttccc 240
 aggtgtatatt gtcacttaca tcacacacat ctcttggtt aaacttacat gcatgcatac 300
 tcagagcatt ttgcggtacc acaaattgca catgtgcaca tccttggttt tctaataacct 360
 atacctacc aaac 374

<210> 32604
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32604

tataagcttg accaacacat caaacctcan agaacaaata actacaaaat tttaaacagt 60
aataaacata ccctaaaatg atagaggctt gcaccgaatt ttgttctgca tgttttccat 120
tggatgtcaa atgtagtttg tcttcgaaga catatccaga acttgaggta ttggctgagc 180
ctactgcacg cataagggca aggatcctta tagcctttgc aaacggaatg gacatcacac 240
aacttatgac cacaaggtag atgtctgctg gtgttggata atgatggtct atactgattc 300
agatccctgt cctgcattac agatgccnc atataaaaga gagcatctgc caatcaatca 360
ttgaaattaa cagctaaatt tcttaccct cttgcaagaa ctgttgttga agtccacata 420
tgaacattca aagtatatta ttatttac 448

<210> 32605

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32605

cttcgattca ttctatgcac ccacatggt ccacattgtg tttcgtgcat ttttattctc 60
gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
ctcgcttaac ttaaaaaataa aataaatttc caccgaatgt ttgaattgta ttatccgtcc 180
cttcgctaa acgaattccg accgctcggc cgtgccgtaa ccacgttgga aatcaaaaag 240
agataaaaaa ataataaaa taacaaaaaa catcttttac taaaataaag cggaaaatca 300
attggacgtt ntctcttgg gatttctcat tcttaatcga attgattaat aactaaagt 360
aaactaaggc taaaatcaac tcgcctagtc aagctcgtcc ataaaaatan gctttcgaag 420
ttcatca 427

<210> 32606

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32606

tggagaggat gcttcaatgg agganaagac agagggagag aaagagagag aggggagcac 60

gaaattgaag gaagataaag ggagagaagt tgaacattga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagacgct ttcttgaaaa acttccttga gaagcttctt tgagaaaact tccttgggaa 240
gctagagctt agctacacgc acccctctca taactaagct cacctccttg agaagcttcc 300
ttgagaagat tcctaaagaa gctagagctt agctacacac acatttctaa tagctaagct 360
cacctccttg agatgagaag ttagagctta gctacacatc cgctataata gctaagctca 420
ccccacgac aagatacatg anaaaacaaa aaagtcctta ct 462

<210> 32607
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32607

ctatagatac taagcttctn cacgctntcc tccataccta gaacttcaaa ccttcgattc 60
tcaactcgatt cttcaccaaa tcgcgtcccg taaagcccaa tcttctctt tttcattcct 120
ctttcacttc caccgatcaa aatccagaaa aacttcatca aatggcagag ccatcaaaga 180
agagaaaggg atcatcctcc ccgctaccgt gctgcccac gcggtcacgg cccatccgga 240
gcacccacag cacctattcc tcttcttttg tcattctcaa gatcatcaac attgttttca 300
tccgatgatc aacgtctacg gtatctttct cagttttctt ctagaataat cttagaccct 360
aagtacctag acgtagagtt ctttaatgat gaaacgtttg attgctattg tcgcaaccta 420
cccttcggtg ggagggcgac gcgagactcg cgggatgcgt gttcca 466

<210> 32608
<211> 445
<212> DNA
<213> Glycine max
<400> 32608

taattccact ttgattcct taattattct ttttagtgca ttccttaatt agtataat 60
tacactttcg gtcttctaata caactatata tatagacaat ttgattctct ttgtgacaat 120
cccaaattat tctcgtaaaa atattttatt ttaatatatta atcaattcta ttagggctat 180
tcaactgcca ttatacctgt aattaataat tgattattat aattgattgt cataattaa 240

tgaaactgaa ttattaacaa aaaaaataa aatataaaaa tattatataa ttgattcttt 300
 taatatataa aaatattata taattgattg tttatatctt aatattattt taagttaact 360
 atgttaaaac actaatatat atttgtaatt atagcatggt gaagagtatg tatagctata 420
 tatctttaat agagttaaac aaata 445

<210> 32609
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32609

ntgatttaca cagagggttt cagggacaaa gctntgattt acatattgaa tttcatccaa 60
 atttttgaca agtcattgtt acttccatca atattgatat tgtatcatgc ttaattatat 120
 gcatttgctt attctgatca ttgtgtgttg cgtgattatt tcttccatgc aggtacatga 180
 ttcccccccc ncgcggagtg aaatgatggg cagcagcacc aactaagggtg attgtatatt 240
 tccttttttt tgtctttatc tttgttagct tgctatatat tttttatttt atatgtctga 300
 gctttaaatg tgtaaaaaat agaaatagaa aggtttgcta tcattctttg aatgccatca 360
 tctaccttta atgactcata tctaaattgg tcctgttta actaaattaa ttacttattg 420
 ccttagcttg actggataga agtatgatat gtc 453

<210> 32610
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32610

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 ttcattagag aatattattt tgttcttgtg gtgccatatg gaccatgtca aagctagcca 120
 ccaacacctc cacctcttga cccgtattcc atcagccaaa ccattcatat gttgtangaa 180
 gtgcgctccg gggttgcgga aaagcaccca caagtttcgc ccaagacaaa acttgccacc 240
 acatataatt tttctacagt ggaaaaataa atgccctgcg tcttctcct caagggttgca 300
 gaaagggcat cgcccatcat ttatcacaat ttggcgtgat tgtaggtttc ttcttggttg 360

caatctatcc ctgagtagta gtctccatgc aaaaactgta natttgcttg gcacctttaa 420
 tttccacagt tcaacagaag ctacatcca 449

<210> 32611
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 32611

tgatttgtga gttgacttta gccttagttt cactttgggtt attagtcaat tgatccaagg 60
 aaacttccaa agaaaaacgt ccgattgatt ttttttatta ttttattcaa agatatttta 120
 attattttat tattattttt caagatattt tgattatttt attattattt tgcttttttt 180
 ttccctcacc gcagtacagc gtgaacgatt ggtagattt tgttttaaca gtgattaaac 240
 gagaatacaa cacacatgat cgggttgaat tcattttatc atttattatg cgagacaacg 300
 gcttatacga tcggttaaag cttgttaata acggaagata agacaaccga acatgaacga 360
 aatgaagatg acagctaaca caataagaaa tgaattgaaa gtctcggatt caaaaactta 420
 cccggttgaag aacga 435

<210> 32612
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 32612

tctctgcatg atgaattgcc aaaatggatg gatccatgct tattgatttc ttttctgtgt 60
 atgtgacagg gggggaaaag gagtgatggg cgaacacctg acggaatacg tccaattaac 120
 tcgagatgtg gcctattacc tatagcacat ggaagtactc tttttacaag aggcgagaca 180
 cacgctctga ccactttat ttgttttcca gtttatgctt ttgatgatat ctgttggtgt 240
 ctatatatgc ttatgcaagt cacattatct cttttctgtg tttgttagtt ctattagaag 300
 ggagatagaa tgatcaaaca caaaggagga acaaaactaa taatgctgac tccttggacc 360
 tttaacacac ttctcattta aagtctccaa ttgtaatcaa cttggatata atctagaaac 420
 tagtgattgg aagtcagtat tctgattact c 451

<210> 32613
 <211> 205
 <212> DNA
 <213> Glycine max

<400> 32613

tgagatgacc gagctgcat ggagcgcagc tggacatagc ctgtatctta atctagcttg 60
 atccaatctt catcttattc caagctgcta tccatggact tctatggatg cgagcttctt 120
 ctagacccag caattcctcg aagtggagac tccgctgtct aaaacttata cataccttcg 180
 actctgcctc tccctaataa aaacg 205

<210> 32614
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 32614

tttgtttgtg gagtcgcctt tgatctcaac tgtaccatat ggaataacat tagtaacaac 60
 aaaaggacca atccacttag acctcaactt accactcatg agtccaagcc tagaattata 120
 caataacatt ttttgcccaa ccacgaagtc ttttttaact atcatgctat catggaactt 180
 ctgctctctc cctgcagaac ttggcattct cgtaggcttc tatgcggatt tcatctaact 240
 cactcagttg caactttctt tctcaccag ctgatccat agagaagttg caagtcttca 300
 ctgccagta agctttgcgc tcaatttcca ctggaagatg acatgccttt ccaaagacaa 360
 cccgataagg agacattcct atgggtgctc tataggcagt ccgatgtgcc caaagagcat 420
 catcaagcct 430

<210> 32615
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32615

tattacataa gagatccacg aaggagccca aaggcgtgtt tagcacgaat ccgcgcgtaa 60
 gcgagctatt gccgccatac tcaataagcc cagacgctgt cgtgctcagt gcatgatcac 120
 accgtcatac ctactaagct cagaaggggtg cacttaacgc gaggtcgcat aaattttaac 180

tctcctcggc tataaaagga ataggaagca naggagaaaa atgcaatgag actcatagct 240
ctctattgaa tacactcaaa gcctgaacat ctctaatagg ggaaaccctc cttcttctat 300
agtcattttc tacttttctt actttatcca tccttattct tttctgggat tcattattat 360
taatcgcggc ttgactaccc atgctaagt attacttagg aaggaatgca tttaaaaatg 420
ggtattttct agagaactag aaaatgac 448

<210> 32616
<211> 450
<212> DNA
<213> Glycine max

<400> 32616

tcatatggag ccatgccaat ggtagaatga acactattgt tatatgtgaa ctctatcaac 60
aggagagaac actcccaact ccccttttgt tctaatacat atgctcttaa aaggctctcc 120
gacgactgaa tgggtccgttc agttcggcca tcagtctaag ggtggtaggc tgaacttact 180
ctaagcttgg tcccaacgct ttgttcaaac tcttccaaaa cctagagggtg aatatagaat 240
ctctatcaga cactatgcta gatggcacac catgtaatct gacagtctca ctaatgtaca 300
gggagcgtaa cttctctaag gaaaacctaa tattgatggg gataaagtgt gtagatttgg 360
tcaatctgtc aacaacaacc caaatagaat caaaacctct ggggggtccta ggtagtccta 420
caacaaaatc catggagata ctatcccacc 450

<210> 32617
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32617

cgtagcaaca aaatgcanaa catttctaaa tcaagctggt ttaaaagggtg aattntgcag 60
ccatgggaag gaagattaaa gataagcatt ctgaatcata ttggctcaat catcaaacag 120
agtgcaagag gactcttttt agtattatta agtatcatcc cctattgtgt catttctttc 180
cagacttgct acaacagggg tggatgatgaa agaaatgtta caggtagtg cattttcctc 240
atctctgtac aagttctcct ctttgccatt ctactaatca ttaattgatg tagtagcacc 300
tagaatgaat tttgtgctct aggttaattg ttaagagaag aattttttat atctaactaa 360

tttatatatg gaaattgttt gagcaaaatg aaattctctg aagctttgat caaaacatta 420
gcaaataaca acggaattct 440

<210> 32618
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32618

nntgatttta aatcttgggg ctacgagaag ggagattgga tgaaagactn tgttctctag 60
acaagtcttt atgatttgag cctatgataa atctacttgt tggattttca tgaaatttat 120
attattttac tctatacaaa atttgaaaca atttcatggt gaagcccttg agagatgagg 180
tcatctgacg cccattgtga catgcaaggc gactaccttg ttttgcaagt tgtgtctagt 240
aatgtgttgt tttctttaat tcttggctta tgtagttgtc aacttgaaaa attgggttaca 300
ttttattaaa ctagaagaa aattattttc aaccatatat attagaaaaa ttatggattt 360
cagcttcatg ttctaaaggc aaaagcaaaa canagtggct gcaagaaaga cattctgtga 420
agtatagaaa aagtgttggg aagaaaatct tact 454

<210> 32619
<211> 448
<212> DNA
<213> Glycine max
<400> 32619

tgcagaagct cttagaagct gtctgtgat ctgtcaccat agcctatgct gtagcctcca 60
ttatgaacta tattttgtac tatctgtcaa ttctcgtatg tatatacaca cacacacaca 120
catctcagca aacaaaggct gaggatcctt tttgtgtgca tattttcata ctcaaacatt 180
tcaacattat gaacatattt ttaaattata tagtttggtc ttaatactat caataaatat 240
tattataagg tcaacataat aattattata ggacaaataa taatgacgtc gcgaaatcca 300
tgtagcagac ctcatctagt ggaataaagc gtttgttgct aattacttga gtgtttggca 360
ctagactatg actttggtca ttgattctga atatacttat aattttgata ccttgtaatt 420
attagcatgt atatatgcgt agtataaa 448

<210> 32620
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 32620

tcataaatcc atcactttta atattctttg tacacaaact tatttgatgt taatttaaaa 60
 attatttgct caaaaaggaa aaattaaaag agaaaaatta caaatccta tataatttaa 120
 ccccaaaata ttctcataat tagtagttat cactcacata tcaacacatg ttcaaattta 180
 cacttacctc aatctcataa caatgctata atctcatgat tcatcgtata ttcaatttat 240
 cacttacaca caattttaat tacaatttca tgatctcaat ataacaattt attacgctaa 300
 tatagtaatt ttgtccaaaa tacaacaaa ttatacgaaa atgtttctca caacatcagg 360
 aataaacccc ctcaacaat ttacataat catatatgaa gaacacaata caatatatat 420
 gccacaataa accccaattt gatcccctaa ggatctctac a 461

<210> 32621
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 32621

tctaagtgt gcctagcgtc agtcatgaaa tcaagtcgcg gcaccgaaag aatcaacaat 60
 tgtcctacag gtggtggggc tcgcgaaagt gtgtccgtga ccacgttggg tacaccggcc 120
 ttgtactgga tgtgatactc ataccccaat aatttggaga ggtagtaatg ttgcttcggg 180
 tctggatacc tgcatcatca actcccagag gctcttgtgg tcggttagaa tggatgaatga 240
 cctaccaag agatattgcc tccactttct tacagtcgca acgatagcat gtagttctcg 300
 aatatacgta gaggcataga ggagctgatg gccaaagcctt tactgaagta agc 353

<210> 32622
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32622

tctagccaaa tggacttacc ttgacttaat tcctttgata gtccttttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat atcaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtgtggg tttttgtttc 180
 acgcataaca tgtttgttgg ccatgcttca tgatatattt tgagccatac ttgatataca 240
 ttgcatattg gttaaatggt ggacatgctg aatatgatgt tgtttctcat aaggctacag 300
 agcaaaaaaa atatatatat tataaaaaaa atcgaataag acaaacagta aagttgagtg 360
 aataagacaa gaatgatgag actcttggtt ctactctnta tgtttaaatt ttatctctac 420
 ttctttgtat cttcttatgt tttcttaata tgca 454

<210> 32623
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32623

tgagatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggn ggtcaggaga ccttgnngac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca agccgggcat agtcggtcag tgagaacctg 180
 tctgtaccta acaggcgagc tcctggcagt caacagataa aaggaaaaca agaccacaaa 240
 gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatatgtg gattgtggcc 300
 tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaatt gaggacagga 360
 ggctaagatg gtctctggta atcgattacc aaggggtgta atcgattacc aggcttgaaa 420
 atgaagtca 429

<210> 32624
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32624

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 gcatgcacac ctccacatag taattgaagc cgaaacataa ggcataggca acaaattgag 120
 atccacagat tagactatca ccataagaga gtaagagatg aaagttcaat taatgtgatt 180

tgcttttggg ggacagtga atgtgactgt agatttgggt tgtgcacgct acggatgttc 240
 accttttttaa gctctgggtc agccgcagta aactgttcta aatgtggcta ctgcctcttg 300
 gcctactcaa aaaataaaat taagtcttaa tctaaccata gtaactaact gtcacctttt 360
 ataggtatag atgaatccac aagtcttaac cttaattcaa acacanccgt agtaaatagat 420
 tcacatttgt aaggattaaa ttataaa 447

<210> 32625
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32625

ctannaattg aattaaaacg ttcagaaagt gctggtaatc tattaccata tatgtgtaat 60
 tgattacaca gtgcaaattt tgaattcaaa ttttaatagc tgttgtaaata catctttggc 120
 cactggtaat cgattacatc ctctggtaat cgattaccag aaagtaaatac tcttgaataa 180
 agcctttctca cttaatttct tggccaaacc ttttgctact tcaaataagga attcccttcc 240
 tatttaatat acccttctca agactctaga aactgtcttg atcatccatc ttgaatatct 300
 ttaatttctt tgtcttgaat aaatctttga gaaacaagtg atcatccatc ggcataatca 360
 aaacattcag cttgatcctt tgtctacaca aaccacaaga caatggagga tatacatgga 420
 gaataagatg aagaacaag 439

<210> 32626
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32626

tatagccatt ntattccacg ctnttagagc cttgcacatc attttattac acccctatcc 60
 attttagttt gatcactaac aaacttagtg actctgcgga atgcaaagat acacatgttc 120
 tcctttgatt ccacgatgct gggacatcaa cgggtagaac ttattaatcc tgaggggtctc 180
 cccagacctc aagaggatac tcttttaggaa gatggaaacc acaggtgttt attatgctt 239

<210> 32627
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32627

tggganagtc ctcttgatac tatttataca tttttgactc tatggcatga gatgaagtgc 60
 aaagattgga cctcttgcta gttgttacta atgaatagct taaacccttg tgcttgagtg 120
 aaacagtagc cgtgagactg tggtttaagc tactttcctt aatatttgtc ttatgattcc 180
 ttcatctatg atacagctta cattttattc ttctctttga aagctgcata ttttgtgaaa 240
 gacaagtgat gagtacataa tgcttcattt ttttatcatg caatcagtaa ttttgtctgc 300
 atacaccttt gttgatgatc actgcatggt attgtcactt gaggacaact aagttgttct 360
 ctttttgctt gaggacaagc acaattgtaa atttggcgga gttgttagtc gatgaatacg 420
 actaaccttt atgtataaaa 440

<210> 32628
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32628

ntgagctcag acattagagt tacgttacct cgaagattcc ggtgagacag atccaagccc 60
 tccaccattg agttgttacc acagctgaca ccttgccaat tgcagtaatc tgagttgttg 120
 ccatcaccac atccagggac tctcagctct tggttgatgg catgtaatat atcttgggtcc 180
 cacgctcaga ccaacaagtt cagaacttga aagacaccaa gctaccagta tatacaacaa 240
 caagcataga aattccatca ctgtacagtg tacactgttg ttctcttctc ttctctgctg 300
 aagcgaagtg ttagtggtta cactccactc aacagtgttc ttctccaaga gccaaaaaat 360
 tggatatcaac actctaccac agcatthaaca acttttgctg cttgttcttt tcaccaaaaa 420
 aaagtgcaaa ctttctttca ca 442

<210> 32629
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32629

gcggcgcgcg cgcgntttga nngcctcgac tcaactctggg cgaattcagc tcgtaccgcg 60
gatccctaga gtcacctgcg gcatgcagct ttatatTTTT atgctcatgg ttggtattca 120
tactattnca caaaaacttt ttgatataaa taaaaatata ttcacaaaaa actttattaa 180
aacaaaaaaa ttagaacttc cataacataa tcacatgtaa aatgggtata ggtaaattatt 240
aaatagcctt aaaaatattc ttgtatctta ttttgggggt gagaaaataa atatgattat 300
ttaaagctcg atcaagggtg acttttaata aaaattatTT tattaataatt aactcgatag 360
tatcgacaca tataatacaa aatctttaga gtcaatgact ccataatact aaataacaaa 420
gagctTTTTT aatcatctat atattattat gttctaagtc tatttttttc actt 474

<210> 32630
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32630

cacggcgccg cggtncttg atcctcgagg catcgagctg gcccgggatc ccttgagcta 60
ctagagctgc agcttgaccg tttgactgaa gtgcgacctg actggagtga cgactgcttg 120
accatactat tgatgaatat tgaatttaaa tgaatgataa ttaggactga gaagcatgat 180
gtcataccaa ctttgaccat aactactgat gaactgggtt ttgctccatg ataaactatg 240
attgcataac tgaccctgac tttacatgac tatctctaact actttgttaa atctatgaga 300
gcatatggct cacgaccatt tactctaact tggggagaaa gtgaaggatg aaagaaacgg 360
taagatcaga ccacacaata gtgttgtaaa aacgagcgag atgacagata ttgcn 415

<210> 32631
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32631

agcttgagaa attacctttn tgggttcaaa aacaagctaa tgtgagaaca ctcttatatg 60

acagggagct aagatgggtct ctggtaatcg attaccaggg gatgtaatcg attac 415

<210> 32634
<211> 248
<212> DNA
<213> Glycine max

<400> 32634

cttggcttgg ttcaacgata aaatggatgc .cccacattat ttccatgaca caaatgcaaa 60
aaatgatgat ttggaaattt tatgccaaac tggatcatgca tgcgcctatg cggacgccta 120
agtgtcaaat aattatggcc atgtttcttg ctttgattaa tgccggggcca aaaagttgta 180
gcgacacggga ttttggttgg taatcaaaag gagaacacat tttatgtcgc ggtttccttt 240
ccttccttt 248

<210> 32635
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32635

agtttaagac tntggagttc atttgcgga tctgaaccat gccacctgca cagcgtgcc 60
atagctgcgg atccaatacc ttttcacctt cttcatgga aacaacaaaa aaaacagagt 120
gtgttcaaaa gagaaaataa tgtgtctttt gaagtttctg ttttcttcaa aggagattca 180
tcgcgcanag tacaagcacg agctggtttt tgctttttgt tcttttagat ctctgtgagt 240
gaaagaaagg gaactaaaac tacttctgtg ttgttggtac ctttcggaga ctattatgag 300
cgaaacaaac gaccaaaccg acctcttggc cagcaaaagt tatgtttatt aaattgctct 360
gttgaaataa ataagaatag aatgcgaaat gaaatttatt tttgg 405

<210> 32636
<211> 375
<212> DNA
<213> Glycine max

<400> 32636

agctttgttt attgctaacg ctactaaaag tagcttttgg atccaaaaga acgtgagtca 60

tgatatatca ttatTTTTtct tccgtctata cccttctctc tgggtagagc cacacaagtg 120
 gtggtgtttc gtggtgtgcc gctgcataca gaagaggaac tgatattcat gatacagcac 180
 cgcccaatgt caacaatgta caaaaatttg gaaaatgaca tgttgccgcc catacattgc 240
 atgcaccgtc aatgtgcttt cttaaccatt aggaagttat acttatacca tatgacaaaa 300
 acaatctacc tctgataaaa atctgccttc tcaaccattt gacaatcttt agtatccgta 360
 tcggatgtta ttata 375

<210> 32637
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32637

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 gaatctggta aacagcgaat tgtttcgaag agtgaagctc ttgtttcgag tgcttggtatg 120
 caagtggggt ccaatgcgag ggtgctggctg caatcggcaa ttgactcggc gattcgccct 180
 gcggaacggt gcgcggaggc gcggtgcatg tancattcgg cgaggaagct ctgcggcgcg 240
 ctgcgccggc cgtcgacgat ttctgagaag tggcggatgg cctcggagta aagcccggcg 300
 tcgagggcgg cgagtgcggc ggcgcggcgg cggaggagga acttaatgtg gccgangagt 360
 tgggccacgc tctcggagtc cgcgagaagg gttcgcggcg gagttg 406

<210> 32638
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32638

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 tattagcatg tttaggcctc aagttaactg gtaaattcaa catcaagtct attagatctt 180
 ggaccgacat gttgtggtan caaaactttg agaatgcttt tgagtttatc atatctatga 240
 cgattatcat gccttcaaca catttcttta agtcttctgg atccttataa tagttgaagg 300

ctggatgatc caagtaaaat actcctacta cagaccttat gagccactgc aacgaagcac 120
acacaggaag acatcttaca gatctaccca tatcagtaga tcacatgatg ctacatctga 180
tagagaccat atacatcatt gatgggatac aatcttactc aatgccatta tggacgttaa 240
tgttcctacc atgagtagtc aacacatatg caaaccataa attcaataat aatgatcatc 300
atcttaaact ctatacacta ttctaagcag taataataga tatattaaaa tgatatatta 360
gtccccgatga tccttgc 377

<210> 32642
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32642

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tgcgtaagta ctacggtcac caaaggcaac cacgagaaat agtttctaga agatcagtcc 120
tcaaaagcag cacttacagc tagaactaaa agatatcatg aagaaacaac taacaacaac 180
aagcacacca actgtcacia ttttaaaata tattgtttta agaaatgatt ttttatttta 240
ttgattcttt aagataattt taaaataaac aaatttttaa aaaataagtc atagaattta 300
tatatatata tatatatata gaagagaaac tattctagaa ctttatgata aattaagaac 360
tatacatata aaaaatatgt tgaactgatt ntgatccata taatatcaa 409

<210> 32643
<211> 415
<212> DNA
<213> Glycine max

<400> 32643

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gtggatggtg cctcctctct cctcttctcc tttgccttct gctacatctc catggtcgaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcaaagtct atgatcttta ttcttcaata cttgtgttga ttattttgat 240
ataattgaat atatacatga ctattttttt taaaaaaaag gattatgcat gattttgaat 300

gtgatatgtg aattacttgc ttaaggttct ttcataaagt gttttcaaaa atttaacgtt 360
 atatatattc ttttgaacag tatttttgatt ctcaattcaaa tccaattctc cctta 415

<210> 32644
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 32644

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 aatatgttcg atttggcatt gagatctggc ctgaatcttt tcctttgaaa actattctat 120
 ttggcaaadc ttcccaaac accattgaac cactgatgga ggctttggag gaagattata 180
 tagatggcaa taagatgaac gaatcacggg cagctattga acgagtatcg gatcttgcac 240
 agagaatcaa tagactagat acattgactt agagattaca tataacacac tcttggattg 300
 ctgaacacag tattagccta taaaccagat ctttaccact ctgtagatat gcttacctta 360
 tttctgatac gagcataata caatgactcg actgcg 396

<210> 32645
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 32645

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 gaactcttct tccccacccc cccctttttt tacttaaaac attgtattaa tttgatgcgc 120
 gcggtgatga ttcataccct taaaattatt catcaaaca actcccccaa agttggggta 180
 aaattgcctt aaaccaatgt gctctcctaa aaccaaagcg tggatcaatgg agatgacaat 240
 tgaaagccta aggctcaatt tgacaac 267

<210> 32646
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32646

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tacaatggga agcttctttg agaagcaagg aaggtaactt ccttgggaaa caaggaagac 360
nagcttcttg agaagctaga gggggctact cacacnctc caatagcta 409

<210> 32649
<211> 400
<212> DNA
<213> Glycine max

<400> 32649

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ctgcatgcta tgatcgatca aatgacttgg acttatcagc atcctgtcgt tttgacatcc 120
atgcctacca acgacatgaa cttatacctg acattctttt actgcagaga acgtttgtgc 180
catggaagac gggtaatata tccatcgcca aaactatcgc taacaccaga gactatccta 240
cagatccttg agcaagcctc ttaaaaagcc ttaaacagga tgggtctgata tagggcgcatg 300
tggaactgta cagtggacat ggcgtagaaa ccggtctgat gatacctgct cgagcacata 360
taagcttttc gagaagctga tgctaataag aacaggcttc 400

<210> 32650
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32650

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gcttattctg tacaggatgg ctccctctcc tacctcttct nctttatctt gcgctgcaac 120
tgcatggctg aaaatcacca ttgaaagacc ttatcaaagc tcaaagatcc agtctccata 180
gaagtttcgc aagccagctt ccatcaagcg ataattactt ctttgtttga acaagaaaac 240
aagcgtaatg actttgtttg gctaaataat tatgctatat catctgacaa cttccccgtg 300
aaagaactgt taatgtggaa catacactct aatgaatagc atgacttata tgactaaaga 360
tatcacaccc ttgacattta atgcatgatt agactacgaa t 401

<210> 32651
<211> 386
<212> DNA

tatagttatg ttattgatga aataagagaa ataaaatata gaattttaaa atgagagtat 300
aaagacgtga tagattgaat ataattaagg aaaccaatta tttttcgtaa gagatat 357

<210> 32654
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32654

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tgatttattt gctataatat ataatacata catattttgc ctatcaaaaa aaaatccttg 120
actttctcag gcaagtctta aaagaaagta tcacacgggc taccttggtt taagaaatac 180
ctcaataaga aaaaccacac taagtcttac cttggcaaca gcataaacac caaaaagacc 240
cgtgtccttg taattgggtg tgaaagccat aatgctctca gcaacttcat taatgccaat 300
tcgctgtgct aactccgaac tggttatagt caaatgcat tcagttagta tcagggagag 360
aacttttctt ttntcaggaa ggggcgttca agtcacatac cccatgtggt ttcca 415

<210> 32655
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32655

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taaaaatatt gagattctgt tgaaagtatg gatagaagag gtgaatgctg gaaataaacc 120
tcacaaccac tttaactaagc ttggttgggc aaatattaca gaaaagttca ataagataac 180
aaatttgaca tatgagtata aacaattcan aataggtga gattctttaa aaaaaaggaa 240
tgacaattat gggctaatta agcttattgn gaaggacact agtcttggct gagacggaga 300
caagaaaacc attgctccta gtgatgaatg gtgggaagcc aaaattcaag tgtgtactat 360
tcaactaaaa taaagttagt tctagttgca tgtcattgaa ctctcttcag t 411

<210> 32656
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32656

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tttcaatgaa ctgcgtaagc gagcccggcc cactaagcga gttcatccat tnttggtgat 120
cttttggtt ttttgatgaa cacactaagc atgccctatc ctactaagcg agtgtatcat 180
atTTTTTTTT aatTTTTTTTg caatTTTtga tgaacttgct aagccactgc actacggctt 240
agcaagcctt tgaatgtctg tatttaattt ctacgttcgc atgaactcgc taagccgacc 300
atctgcgctt agcgagtata cttagctgag tctgatactc agaggctttt tgcattcttg 360
gtgcggtctaa gcgagccatg c 381

<210> 32657
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32657

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attataggaa caaatgaat aaaacgctaa atcgcatgaa acatatattt aaatctaaaa 120
ataataattt ttagcaacat ttaataaaaa aattaattgt atacattaat tacatgtaat 180
aaatttatta ttttatttat aaattgcatt aattaatatt caaatgcttt aaattcaaat 240
ataatcgtat attcaattat acaatctatt tatttttaat tatcttttat gggatataat 300
tgatcattaa attaattagt tcaattatac aatttcaaaa aatctaatta tttctggtta 360
aaatatttat tggtaacata attaacatat atatcgggta taatt 405

<210> 32658
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32658

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aaatcaaatac ttagttctga ataataatga gaatgaagag aggaatttga tgatagagat 120
gaaagaatga atacaaactt gcaactgcgc ataggaccaa tgactagtgg ttgtgactcc 180
ttgaagctgt gcgatgctct tttctgtcca ctccaacgta acactttcaa accctagatt 240
ctattatatt tatttgctta taaaagaaaa agacacttct ttttaagatgg ttttcaaaac 300
cgtcttataa tggtagtttc taaggcagtt tttgcaaaac cgtcttagaa taattgtatt 360
tatttacaaa aatgtcacgc tgtttctttc tagaatgatt ctctatcaac c 411

<210> 32659
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32659

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ttgatcatcc tactangacg actgagaaaa ctggggcaca tgaaaagggt gagaaagagg 120
gagaaaccca tgctgtgact gccattccta tacgaccaag tttcccacca aacccaacaa 180
tgtcattact cagtcaataa caaacctctt ccttaccac caccagttta tccacaaagg 240
tcacccctaa atcaaccaca aagcctgtct accgcacttn caatgacgaa gaccaccttt 300
agcacaacc aaaaaaacac caacaaaaag gaattntgca gcanaaagcc tggtaggggt 360
cacccanatt ccgctgtcat atgctaaact tgatcccata tncactcaat a 411

<210> 32660
<211> 393
<212> DNA
<213> Glycine max
<400> 32660

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atgatgggag gcacaacaac aaatgttgta tatgagataa gaagctacaa ttcgtccttt 120
gtaatcacag ctttcctaag cccaatgaac aaacaaacaa cgaaatttaa caaatggaga 180
aaaggtttaa gaataacaat gtccaagcag atgaatggac ttattggaaa ataacatgg 240
atggaagaat gaacatatac taggggaatg aggtccatac catcaacttc atatcacatg 300
aacagaagag agggaccgtg gaaatttcag cctcaaacga caagacagg aaatggatct 360

accatattta catttcttaa tggattggag ata

393

<210> 32661

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32661

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attgcatcga agcgcatact cacttgacga ttgagagtat tgaagccttt tacgacgtag 120

gctttgaaga ctataccacc gctgcataat ccttgactaa agagacgagt cttctacttc 180

atgtacttct tcaccaacat ttctagcaca cttcttcacc caagagccat catgcacatt 240

tatataagcc atggatgcta tgactgaagc gcctgtatag aatgatctct tgattggaga 300

ctancgttca cactcacgac ggatgctcga gcgctgaagg ataatgggtca caagatgatg 360

atggagcaac ggagcattcg atgcgatatg cttatgcatg tgacatatat catggatgg 419

<210> 32662

<211> 370

<212> DNA

<213> Glycine max

<400> 32662

agctttgaat cgattacaca cataactataa tcgattacca gaagagattt tcagaaaata 60

ttctcaattg gcacatcttt tcatttggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt ttttaagaaaca aaaaggtcct atcctcttaa 180

aaagcaaaat ccgtttatcc tcttacaaat tccttgcca aaacacttgt gattcaataa 240

ggaattatctt gagtgcctcaa attgctcaat ctatctcttt caagagagat ttcttcttct 300

tttcttctttt attctgaaca gggattaaga gaccgagggt ctcttggtgt gaaagaattc 360

taaacacaaa 370

<210> 32663

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 32663

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gaggttttat tatgagttga tgtgtttttt gcaagtgcgg ttagaataag aataagaatt 120
gggcttttgt gcaacagtta gattttgatt gatggaagct gagtttgggg ggaagaatca 180
gtacttgat ggacctgtgg tgtctggaat gaagaaagct gttgttggga atgggaagag 240
gagtttgaa tgggatctga atgattggag atgggatggt gatcttttca ctgctcaacc 300
actcaattca gtgccatcag attgtacggg ttgccagttt tttccacctc atcctgaaat 360
tcctgcaaaa natgctaate catctacca ccaattgtct tcttctgtat tcattctacg 420

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<210> 32664
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32664

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tgtgctcaaa tatgtggggc aattctgggt tgctttcttg cttggatggg ttgaattggg 120
ggtttgtatg agatggccct aggctataa tgtattttga agcaatgggg catgccacat 180
tgtccccgtt ctcttgctat tgatgcctaa acgcgcgccc accaagtgtt cggtgaaatg 240
cctcaatggc attagcgcgt gattcttgta aggaaacaac ctatgggaca atttggtttg 300
cacatgtttt atattttttg ggacatgtat tcagtttcgt aagggtctaga gtaattgtcc 360
cacacatatc ctatgcctat gaaccaaagt ttctatgcaa gagaacac 408

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<210> 32665
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32665

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gcacaacagt tttccacatc cacaatcgc gcataaaccc accatcccct gctgcccacc 120
tccaactgag ctcacgtacg cccacgtagc ccatatcttc gtttctctca acaccgggtc 180

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cccatcaatc ctcccaagct ttccccaaca tccaagtaat tcaacattca aacaacacaa 240
 actatcacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaac accgaccaaa 300
 atcacagctt ttctcactta aagaccccag taacaattcc ttctgtccgg ttcattaacc 360
 gttggatcga ctccaacatt ntactggaag tctctagtagc ataagcctac attctgac 418

<210> 32666
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32666

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 atatggaaaa aggattctac accaacaacc acccttggtc agaggcataa aatatgatta 120
 ttggaagcaa caaatgatat ctactttga atccattcat attgacctat gggatgatgt 180
 ggaaaatgga aagtgcattc catagcatga tcagttaaata gaaattccta caagttggtg 240
 gatggagaag caaaaactta gattcttgct cgactccaag gctcacaatg tgatgctatg 300
 tgctctatca gaagaggagt acaccaacgt acatggctta taaagtgcac acaaatatat 360
 gacactctag ttgttacgta tgaacgaacc tcacaggtaa agaggagtaa 410

<210> 32667
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32667

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 caaaacaaga atggaccgct gaatgtgcat agaatagaatt gaaagattca aatttgaaaa 120
 cttaccagct gaagaacaaa gaacaacgaa gaacaaaaga agaattggtga agaacatcca 180
 tggaatcgat cagcaaaaatg tctcgaaagc gttacggaag cacctcggct tgaattgtct 240
 ccttctttct tcttctctc actaatttca agtgaaagct tattgcacaa caatgttgga 300
 ctcttaaact cagccccctc tccctatnta tagtggaag 339

<210> 32668
 <211> 115
 <212> DNA
 <213> Glycine max

<400> 32668

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 agtagattta gatcacgcaa caagaatgaa ggttcctggc cacaaatctc ttgct 115

<210> 32669
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 32669

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 aagaacagtt gactaatgag aatgaaaggc gagattgaga agaagaagaa gggagtacca 120
 attccaatgt agtggccaat ttgagcgtcg acccatttat cagcgtcgtc atctccacag 180
 tacaagttgc acaccttgaa tgaatgggag tgagaataag aacggcgaaa ggaataagcg 240
 aattaaatgg gaaaaagcta caacgaactg cagcgtacgg gtgagcgaag atgttgatga 300
 gagccattct ggcgaaatca tagagggcgt tgtgtgtaga ttgacttctc caccgccaat 360
 aatcctttct cttcttcaca cttcaacctc aactatggat tccacacac 409

<210> 32670
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 32670

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 attgcaacag tgctctagaa cgtactggta acgcctttcc tacgatgtca tagcgacgcc 120
 caccattact atcacgcatg ctgcacagaa cgagaatgcg acctcgcatt ggatcacacg 180
 gogatatcat cagacgagaa catgcgccct agagccaacc atcggaccaa tgcacgatc 240
 tttagcgaac tttttctgac ttatagaacc catataacca 280

<210> 32671
 <211> 407

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32671

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agaagattct ccctttntca atgacaactc agccttgggt catgttatta atgcatgcat 120
ttcacttgga tggctggatc aagcacacga tctccttgaa gagatgcgtc tagctggagt 180
tagaactggt tcactgtat actcctctct tttgaaagca tattgccgag caaatagagc 240
tgcagatgct acatcacttc tgagagatgc taagatagct ggcattccagc ttgactcaag 300
ctcttatgag gcaatgattc aatccagggt gctccagcaa gacacacagg gagcactcca 360
actatttaaa gagaggaaag aggctacaat tccaaaagtc actcaac 407

<210> 32672
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32672

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cccgtganct ttgacctca gacaccggc acaccaccgc cgcgagccca agagaccgca 120
gctgaacctg taaaaacccc acaccaacc gggaaaaccg cgacacatgc ccggaacaga 180
ccaaagcacc ccagaagac agaccaggac ccggcaccgg cccgcccacg cccaccgca 240
caccctccc accgcggccc ccgcccacac ccaccacca cccactgagg ccacaccacc 300
gccaacgcca accgcgggaa ataccccaca ccccccagc tccccccac gacaaccggg 360
gaggaccac aacgccccca gacacacacc caccatcca cccaccacac accccaaca 420
ccccgcaccg cccccccac ccaaccacca ccccgcccc acacacg 467

<210> 32673
<211> 405
<212> DNA
<213> Glycine max

<400> 32673

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cactatgggtc aggaaagagt gtgatgagtt aaaagatatc aacatgacca tggttgaagc 120
 gtttagagtgg gaaacaaaaa gggcctgaaa ggaagaatgg agcaggaaca agttttgaag 180
 ggctatgtgg ggcagcagta atgagctcaa gcttagaaaag gtcgagaggg acaaatcaag 240
 gatggaaaac atgggtgtag aggataagtt aaagtcttgt aagaggtcga agataatttt 300
 gatggagtag ttgagaaaaa tagaagagaa tatgttgata atcattgatc aatataagga 360
 gaaggtaacc tggctactag tcatgggcat atgctggaag atgaa 405

<210> 32674
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 catatgctca catgcacaat ttgggaggat ccatggatca tgatacgtag agaaactggt 180
 atgtatactt ctgggttagca tccagactca aaagatttgt ggatgctcct attaacctca 240
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 aggatgacgg tgactatgct gtcttgctcg tgacaaagca ctcttaatat gagctgcctc 360
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<210> 32675
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32675

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 aacaaaaaaa aaaccattt aaaacaaact atgatccata aaatttataa ttgtttcttg 120
 atgcataaaa atagtactcg cacagggtaa atgtaccata cactctagta acaatgaact 180
 aaaagggttca tagctcttac aaaccataaa ggttctctca caattcataa gagataaaaag 240
 tgatcaaaaag attattttct tacaagttc acagccctat ttatagcttc ctaatatata 300

tcagtatgaa aaggtacact acgattacag taaaatctac ctcgatcatg gtaaanaaat 360
agtgacgttg aagctcttgc gcattgtgga tcgactgtgg ccctcatggt ttaccacaa 419

<210> 32676
<211> 413
<212> DNA
<213> Glycine max

<400> 32676

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actccaccaa gattccctgg gtgaggtggg acatagtctg cctacctaag agtaaagggtg 120
ggttaaggat caaagatttg attaaattca atgaggcttt gcttgctaaa tgggggtggg 180
agttggaaaa taatcagaat cagttgtggg ccagaattct attgtctaga tatggtgggtt 240
ggagggattt gatttctgat aggaactgca gtttagactc tccttggtgg aaagacctca 300
aggttatctt caagcagcag cagagcaaca caatttgcaa tcacctgaag tggaagctgc 360
gatcgggaga taaaattagt tcttggaagg ataagtggct acatcataat ctg 413

<210> 32677
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32677

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atcacgatca tcgtctccct ttccatcatt gggggtagca cctgngccgc cagatccctc 120
caccttttgg gogtgttctt tgaaagatcc gtcccccttt ttgcaaattgt tctgtagttg 180
catcctatcc ggaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattan 240
gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc 300
agtaagactt tcttggaagg aatgtatcag caattcctca tcttttgcgt attcccccat 360
cttctgacaa tacatcttta gatggttctt gggacaagta gtccccttgt ac 412

<210> 32678
<211> 414
<212> DNA

<213> Glycine max

<400> 32678

agctttgagg ttgtaggggc agtaaataga attttgaagc agtgatattg gcttgaaggg 60
aatgagattg gactgttggg tatcatttta atgaacagat ttcctattct gactattctc 120
tttgccaaga caccagctgg attttgtctt ttcactaac atgtagcaat tccccaccct 180
cttttcttct tccaggaaaa aaatgatcaa tttttgtac taagaaaaat gtgcaaatca 240
ttaatgagtt tcatgttgct aggtttcttt tgtgattatt tataggagga tttggctcct 300
tacaagtga gactgtaatt gaagatgctc tcgaaattgt gataaaacag atgcacatgt 360
aaaatacatt ataaaattat taataattgt aactctcgat tttcaaatca ttga 414

<210> 32679

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32679

aaccaccant acatcatctc gcgcaccccc accagaanca cctaaccaca aanaaccgac 60
gcgcccgggtg ancctagaca tcgaanacaa acganaancn naccgggaac cggagcaacc 120
ctacagcaga cagcagcgt tgcaagcttt aagaaacacg gccctaaggg cccaaccgcc 180
cactgagggg aaccccatc ctagagcccc caccctcaac ggagcgggag accactaccg 240
gaaaacaccg ccgccaaccg ccacacacgc catccacca aagaccccg aagcactcaa 300
acaacgaccc aatagacccc ccatacagcc cggaactgca acaacacaca accccacaac 360
cacatgccac gaggaacaca cacaacaaca ccacctaact tacagcgcca ccacaccata 420
caccgcccc agaaagacga aacacgacgg ctcaaaccga aaaccgcacc gacacgggac 480
acaacaaga ccacacaacg cccagacgc acaacaccac gaccagcacc cccccccc 538

<210> 32680

<211> 399

<212> DNA

<213> Glycine max

<400> 32680

agcttgtgac catttgaata actcaagagc ttgcattgtt caattttgag cgtctcgata 60

tattatgcgc cttaatcgga cctccgagtg aaaagttatg accatttgaa taactcaaga 120
gcttccattg ttcaatttcg agcgtctcga tatcttatgt gcctgaatct gacctccgtg 180
tgaaaagtta tgaccatttg aatttctcga gagcttccgt tgttcaattt cgagcgtctc 240
gatatcttat gcgcctgaat cggacctctg agtgaaaagt tatgaccatt tgaataactc 300
aagagcttcc attgttcaat tacgagcgtc tcaatatatt atgtgcctga atcggacctc 360
cgagtgtaaa gctatgacca tttgaattgc tcaagagct 399

<210> 32681
<211> 231
<212> DNA
<213> Glycine max

<400> 32681

tgagaaaaca cgctctatat tcatctcaca ctccaagtat gcctccggat gattatttcc 60
tttaaagtga ggaacgctga gcttaatacc atcgatctgt gattgactag gaacaccatc 120
atctccctct tgtgctcctg tcttctatac tatgatattt attctccatt cgacacatcg 180
cttcatggag cgcatcatat ggctgtccca ttaacctctc catatgatgc c 231

<210> 32682
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32682

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tggaaggcct ctcatcttgt acatgacaat cttagacgag tcaatggggg gtatgctagg 120
gcaacatgac gaatctggaa agaaagagcg cgctgtttac tacataagta agaagttcac 180
gacctgtgaa atgaactact ccttgctcga aagaacgtgt tgtgctttag tatgggcatc 240
ccatcgcta aggcagtaca tgctgagcca tactacctag ttgatatcca agatggaccc 300
ggttaagtac atctttgaaa agctagctct cacgggtggca agtcttgcta tccgagtttg 360
acatagtcta ngtcacccaa aaggcgat 388

<210> 32683

<211> 402
<212> DNA
<213> Glycine max

<400> 32683

agcttgtttc tacactcgga tgtcttgga acactctgtt ttgaggcaag gcttgatctt 60
gagttaatct tgaagcaagg ctttgtttgt tgaagcaacc ttgtattaat cttgaagcaa 120
tgcttatcct ttgaagcaac cttgtttgat tcttctttgg catcatcaaa atcatgtatt 180
catacattca gactttaaaa tattttaaaa atcaacaaac tgattagaag ttttgattta 240
cacaaactac actcatttca ttaaaatggc ggtgctgcta acctaataaa agaaaaaaaa 300
taaagggtgag attctaaact gtttttcttc ttcgggaaca ctacttctag ttgcaacctt 360
gagatctttg attctgctac ttgtttttaa tattatttga ca 402

<210> 32684
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32684

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tatgacatcc actccacaag gtttgaagta gaggagacct tcaatcctat tacgcaacgt 120
ggcggacaaa agtgggcagc taacttaaac ggtcattatt gtcaatgcag aagggtattct 180
gcacttcaact atccatgttc acatattatt gcagtttgtg gttacgtgag cctgaactac 240
taccaatata tagatgttgt ttatacaaat gagcacatct tanatgctta ctccgcacaa 300
tggtggcctc ttgggaatga agcgactatc tctccttcta atgacgcatg gacacttata 360
cctgacccaa ctacaattcg tacgaaaggt cggccaaaat caacaaggat aaggaat 417

<210> 32685
<211> 410
<212> DNA
<213> Glycine max

<400> 32685

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caatcatgaa ttgacaaagt ccttagttgg acatccatac gttggatgat tgactaagga 120

tgaaaaaata attattgttg atatgacaaa gtcaatgatg aaaccaagaa acattctgct 180
aatgttaaag gaacacaatg ccaataatta tacaacaatc aaacaaatat ataatgtaag 240
aagtgcatac cgttctttca ttagaggaag tgatattgaa atgcaacatc taatgaagct 300
tcttgaatga gatcaatata tttattggca tagattaaag gatgaagatg ttgtacgtga 360
tatcttttgg tgtcaccttg atgcagtga gttatgcaat gcatgtaatt 410

<210> 32686
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32686

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ggatgccccca cattatttcc atgacacana tgcaaaaatg atgatttgga aactntatgc 120
aaaactggtc atgcatgcac ctatgcgagc actcaagtgt caaatcttta tggatcatgtg 180
atgctagggc tcaagattcg tttcctctat tttaataaac ccaatgttnt caaaatatgt 240
tcttttatca atttgtgcat tcatccgagt ccatttcggg cgtccggnga aatttcacag 300
cattcacccct tcagggtgtag acacattctc caaaaattgg ttatgatcaa tgaactcttt 360
cacagaacag ttggaaatcg tttcttttca caagcatgct 400

<210> 32687
<211> 413
<212> DNA
<213> Glycine max

<400> 32687

agcttctact tatgtggcag ggcgggcttc cttcactttc ttgcctcaac cgcgagcttt 60
gaccaccgct ctttcttccc acaatgcttc tctttatata tgcttgagtg ggtttatagc 120
ctaaaccata cttccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt 180
ctttgcctaa acccattccg ggttcgtaac cgttcccca cataactcgg gccatcatta 240
ttgctgcatac ggacaggcaa ggctgccag agaaggagtc cacggaggaa atgctgacca 300
cctcaaaaga ctggaaagcg gattctaacg attcttctgc ggcttctaca taaggcatag 360

aggatgggca gctcaccaag atgtcttctt cgcctgacac gatgaccaa tgc 413

<210> 32688
<211> 371
<212> DNA
<213> Glycine max

<400> 32688

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agacatagct caatggctga ttgtaaacga tatcgtggcg accatgagct accaccaaca 120
ggcaacaagt catgcaccgt tggggcttac aaaaggctga agcctagggt gccaatgtgg 180
gctctgacta catcttgaac taaacctaac taaggccctt ctagctgagt aacctatc 240
atatctttgg acagccaacc ttactcggat tgggccatta tttaaagcaa ctagacactc 300
taaagttgaa gcagagtggg gtcagtaagt actcctgcat tcgggccatg atacaactca 360
caaccatgga c 371

<210> 32689
<211> 234
<212> DNA
<213> Glycine max

<400> 32689

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aatatatcga gacgctcgta atggaaatcc taatccgtga gatgattgac cgacgatcac 120
tttttactca gatgtgtgat cgagcaccgt attatgtcca gacgctccat tctgcatacg 180
gaagctgtga gcaaagtcaa acaacaatca cttgtcactc agatgtctga ttga 234

<210> 32690
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32690

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tcaaggcaga ccaaaagaaa gcacaacagt gttatgcaga aagcctgaag gtaggaccat 120
atcctccac caggagctt gccaaagcctt accccacagt ggctgaaggc actcaagtca 180

tgagcatgga cgaagggtct caaatctgag ccctgatcgt ctaccaagca agcctgggag 240
atgaattcga catagatcca cgagacgata cctctaatag aggcctgaaa cccatcgaag 300
agcttgcaac ttggacctaa acccgggcaa taaatgcggc tcaagaagga cctcactagt 360
catgagaacc gacacatcac taatgtgcta cacagaaatg cggattta 408

<210> 32691
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32691

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gtaatcattg cttcccatgc ctgaaaagaa tagacatttg tttaggtagc tattaagtga 120
ttcattgtct cctctgaaga accttctcaa ctgctgcact gtgttggtcaa agttagccac 180
ttgctcattc aatgatgtat gagccccctg caaacaatta cataagaaaa tcagaggagg 240
tgtggctcac gaattattgt gcctcacaga acgatatgta catttaatat gtgcttaatt 300
tctcanaata ctcatgaata tgaatttgca tacaaggtta cttctgtttt cttctctaata 360
gcctgtgtgt ccagatgcat agctagctcc tettaatagt ctcaaaccct 410

<210> 32692
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32692

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cagtgtcaac agtgcaacta catgtagcag ctgataatca taatccatgt ctgctatacg 120
ctagcaaagt gaggtgggtc ttatggagtg atctcttgca tctgaaaaag tacttaagat 180
tgttggcttg gatttcatca ttagaaatac tcctctggt ctttctata agaaacaagt 240
tttagtatat ttactactaaa acttgtttct tataaaaaag acaggagata atagctcata 300
aggcacagat aagaaaagct tgtattgctc agagatctaa cttttttttt tatcaccttt 360
tctcttaaaa aaattatgtg ctgacagcat gtttgctctg gg 402

gacttttgta atgctattcc aagagatcaa agcaagcacc aaagcttaac cattaagcaa 180
aatgaacaag gtcatttggc agaagctcaa atcattgacc catgaaacta tgacagctta 240
tccacgaact agaaactata cctcgaagct taaccaatta ccagaagtaa caagacttaa 300
ccgtcaagag tagaagccaa gcaacagttc aatgcttaac 340

<210> 32696
<211> 412
<212> DNA
<213> Glycine max

<400> 32696

agcttggtca ttatttttta agcatattta ttgtatactt atattattct tatttttaat 60
ttttctttac ttgtcttgag gacaagcaaa gttctacgtt gggggagttg ataagtgcc 120
aaattcaata ttttttggga ttaaactgtt agcacttacc tttcgattgc aatagttttc 180
ttataaacta cctttaaatc tagttgtttt atatatactg tacatttact aatgttgctg 240
tttaaataatg aaagattcat ccatgattct gtaggttttg aggggtgttt gttagatcca 300
aaaacaaagc caaaatgggc ttttcacaaa gatttctaac cccaaattcc cccaggctag 360
caacctgctc gcctgggcta aagatcttac ttagcccta agcaagcaac tc 412

<210> 32697
<211> 415
<212> DNA
<213> Glycine max

<400> 32697

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atttcatgat acaatttgat atataggagg atcacacaaa agtcatggag gagggacctt 120
gatgcaatcc taccoccat gggcattgga tagagaagac tccaagtaga ttgcgctaga 180
gctactaaag aaggccctag gatctcatga accttagggg agattcttta gcccatgggt 240
caaggttgga tccactatcc ttgttaaacc ttagaatagg tttttccttc ttttgggcct 300
tgtatttttg tcattctagt agtatagggt tctagccttg tatttcaggg cattctgagt 360
agtctttgta gtacggactc tcttttttgc gtattttcat gtattcttgg aatga 415

<210> 32698

<211> 370
 <212> DNA
 <213> Glycine max

<400> 32698

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agcttttctc tcttctcact cagccaaaag agagaagttc agaagccttt tctctccctc 60
tctcacgtag ctatctactt cttcattcac cattgaagct ccacacaaaag cttcaacctt 120
tggccatcat ttctgccccca aatcgcgaaa ggagagcatt ttcggggtcg tgaagcgcg 180
gtctacgagt gggacttcga aatttcatgt ttgggtgaac ttctttctcc tttgattttc 240
gtgggtatgg ggttttgga gacatgatgg gtagttttgt tagttctctg cttcatgata 300
gttatttgtg aagactcttg ttgaaagctt gttgaaattg ccatgtttgg atgagttaaa 360
cataccatt 370
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<210> 32699
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 32699

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gtgctcacgt gaacaaaact gcgcagaacc ctagttgact ctgtgcagtt cttctctcta 120
tcacagccaa gatggctggc gtcaaccctc aagttgctgt caccatcccc aagcgttgta 180
acctgcctaa tcgccctggt gggtacaagt gtggacgtaa gtgcgattaa ttaataatta 240
ccccttcttt atatatacaa aggagagtta ctcacgtgac actactttga taaagatgct 300
ataaaaaaaaa gactattcaa ttatcaaaat tgaaagaaat atacacatat gtatatatat 360
aaatatatat atatatatat gactctttct atgataactc ttaagcttaa cta 413
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<210> 32700
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32700

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tatccagcaa tcgataatgt ggatggattc agcttctgaa cctggaaata tctcaaagat 120
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cgatcttcgc attgctgata ttcaagatca tattcacaaa tgtaagcaat gtaactcaag 180
cattttctgag tactataccc gtctaaagat tatgtggaaa gaactagaat tgcatacatg 240
catgtttgctg agtatatgtg ctagctcctg atcttgnngg ctgactgtca cactcgacag 300
agaacgtgaa gatgactgtg tgattcattc tttgtgtggc ctcaatgatg tctatgcacc 360
tgacacgctt atggaaccta tg 382

<210> 32701
<211> 389
<212> DNA
<213> Glycine max

<400> 32701

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acctagtaaa gctttttgcat ccaacataca atggcgatg cgcactctgtt tgaagagcat 120
cgtatatatc tgcattgacat tcccgacagc cctcttgccc aagatcacgt atcatgtctt 180
ccatgagatc ttcgctttgt agatcaaccg gatgagggtg acatgtttgt gtatgaccaa 240
ccaactcacc atgccatata cacttttgtt acgtcgggct aaagccatca catatcagat 300
gcgatctaata gtcattccaac gaatgacgcc tcccgtagaca catttaaacac aagggcagaa 360
gaagttgcca tctgtggttg ctgaatgta 389

<210> 32702
<211> 404
<212> DNA
<213> Glycine max

<400> 32702

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tttgcttttc ctatctagct tgcattgcaca aagtcagaat ctgaaaagcc aattagattt 120
aaggaggcac cttttgggata acacattgtg catccctaac ttaatgactg ttttaatagt 180
aataaattaa atagcagaaa ccatggaaat ttttttttgc actgttattt atttcacgat 240
aattaatttc agaaggaaaa ttatcactat agagtctga gtggccagtt cacaactcta 300
ttcggattca tttctttctg atcactcata acctccaaac tttttttctt tttctaaaaa 360
aaataccagc catcatttta tgtcatcacg tgagaaataa taag 404

<210> 32703
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 32703

tttgcaagtc ttgcagcaca ctagcaaacg tagaattatt tggaacaaca gacgactgcc 60
 tcattcgaca aaacaactcc aaagcctccc tactttttatc actctgagca taccgcgcta 120
 tcatgagact ccaaggaata agatcatctt tcggcatttc ttcaaaaaac tgctgcgtct 180
 cagcaatctc tccagacttg gttaacaatt caagcagcac agtgccaaca taaagatccc 240
 tatcataaca cgctttcaaa gcacatccat gaacactttt cccaacctca aaattgttcg 300
 gtctaaaccc cataaccctc atctggcaga caagtagcaa cgaatcttca tggcagtaat 360
 tctcagcata gcaagccatc atcccagtc aagataccat gcccttacia ca 412

<210> 32704
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32704

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 ctgttccctca aattcctgaa aaatgcaaag atccaggtag attcagcata ccttgtatta 120
 tagggaatag taagtttgac aatgccatgc taaatttaag agcttctggt agtggttatgc 180
 ctctgtctat ttttaattct ctatctctag gtcccttcca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgtt gcctaccctg ttggtttcat agaagatgtc ttacttagag 300
 ttggtgaact gattctccct gttgattctt atattttgaa tatggaagat ggattctctc 360
 aaggatcagt tcccatcatt ctaggcagac cctctatgaa aact 404

<210> 32705
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32705

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cacccctcta ataactaagc tcacctcctt aagaagcttc ctttacaaga ttcctacaga 120
 agtgagagct tagttacact cacctctcta atagctaagc tcacctcctt gagatgagaa 180
 gctagagctt atctacacac cccctataat agctgagatg acgccgcatg ccaaaataca 240
 tgaaaataca aaaaaagtc ctaactacaa gactactcaa aatgccctaa aatacaaggc 300
 taaaacccta tattactaga atgaccaaaa tacaagccca aaacgaagga agaacctatt 360
 ctaatatatta caaagaagag tggatccaac ct 392

<210> 32706
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 32706

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 gttggttaacc tgtttaacaa cttggttgac ctttctattc gcaaaagatt ctttccagct 180
 atgttctttg tctatctatt gaattgtaat ggacagacta gtataattat caaatcattt 240
 aaataacgat gtttttttag atcattatag tcagagacaa gtaaagaagc gaatcaaac 300
 tatctgggaa ctcaagatgt gatgac 326

<210> 32707
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32707

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 cataatgcct tccagccaag actgtatcta gcacaatggg cagctccttg ttttcttcaa 180
 atccagtcct gtatgtgcaa taatggatga gagcaaatta tactcaaata caatgcacgt 240
 ctatttaaaa tacctaaaga gccagagtga agagccaaaa ttcanattcc acaataaata 300
 aatactgagt caaaatcacg atgcaattag ttaaaggcaa cacatccaat agttgacggc 360

tcaacaagta aaagccaac

379

<210> 32708
<211> 389
<212> DNA
<213> Glycine max

<400> 32708

agcttagaat tagttaaggt ttcagtgtgt tgcattcact ctttaagctca aaacttgaaa 60
tgatttttgct tagctctaag atgcatcaga aagttatgtg aaccatcctt gatttcgaac 120
taaatagtttt aaaagggtcat gaacagtcct catattacgt attgaataaa cacttgagct 180
tattttacca gtggatgccga gaagctcaat gaagtaaaga agagagaaaag attaacgtat 240
tactgtatta cagttagaat atcaaagtaa acttttaaaca ggtagagaaa caaggcgaaa 300
gcctattaat catttgacga acatgatata ttgttattat ataaacaatt gttcttatat 360
aaacaattac ttcacactat ataacatat 389

<210> 32709
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32709

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agcattagga tcgcaacgca attccaagaa ttctaaccgt tggaaattgt gatatgatgt 120
ctgggctgag ataaatatcc atcgcatcgt aaccttttcc tttctccgag aaacgcagag 180
ttgtcttggt aaaactacaa tcccggtttc gttaaccgtt agattatcgt gaaattctta 240
tattttgttc gtgatccaat cacgcacacc tncaccattg ggatttgcac aacagtgtct 300
atggagggag aaatatgcat cacacgaagc agtatagaat ggagggttca atcgtttctc 360
tatctctcta atgtttggga actctatcag agcaatc 397

<210> 32710
<211> 415
<212> DNA
<213> Glycine max

<400> 32710

agcttatctg ctttaataaa ctctgggcca gtattagcta atattgctct tggtagtgt 60
gattaattca agtttcacat tggctagaga taagacaaag atagaatata taagtgggag 120
acaaccctca ctctatgggc taactgttaa aattgagtta ggtccaaact cgcattctag 180
atggtatcag agcctatctt agatctatta acaggctacc cgccatgtta tcagcgcacc 240
atacccaaaa gtgctgctgg gcatgaggag atgtattgag aaaaacctcg gtcccacatt 300
gattaaagat aacgtcaaga tagattatat aattgagggtg caaccctcaa gttgaagtat 360
gtatgtcatg tactaagctt cttataaata aagtcaacct gaggccaagt gattc 415

<210> 32711
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32711

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atgagtttat gagcaactca agattcaaca gatgtgacat ggaccatttt tgctacgtta 120
agaaatatac taataactat gttatccttg tcgtgtatgt tgatgacatg ttgatcgag 180
gatctagtat ggcagaaatt aacaagttga agcagcagtt ggcaaaaaaa tttgaaatga 240
aggatcttgg tccaactaaa caaatccttg gtatgagaat tcttataaac aaatcanaag 300
gaattttana gctgtctcag gagaaatata tacacaagtt gcttgacagg ttttaccttg 360
aagattctaa gaccaggaat acccttttgg gatctcattt gaag 404

<210> 32712
<211> 414
<212> DNA
<213> Glycine max
<400> 32712

tttttgcatt cttttggagt agaaacatgg gaccaactca ttttatttca aaaaggaagt 60
catatctagt caaggtctga gagaccatac aagtttccta acgatttcta attatgtggg 120
ccattaagtc tatcatatgc tgacaatagc cgagaagccc atgaatctct tcgggggagg 180
agtaggtgtc tgccatcgcc ttggccttgg ctaacaatcg gggaagttct tgactcccg 240

<211> 400
 <212> DNA
 <213> Glycine max

<400> 32715

agctttatga cagacaatga acctttcaag gcttcaattt ttttactttc caagaatggt 60
 tttttgatta ttagactatt gggtccttag attttttttg agtcatgaag cgtggttctg 120
 agggcgatgc aagggtttgc ttataagatt gtggtaatga tgaagagtga gcagctattt 180
 gagtctcagg atggcccat catactctct caggtaaact tttgaggctt ttcatttcat 240
 agcatttaat tttaatcttc attgctttct cttcatacca ctaatggcta tgacttatga 300
 gctcttcact ctagatctag tttaaatttt aatgatgcat tcatgattcg ccatgtgttt 360
 gctgctctag attgagaatg aatatacggc acaaagtaag 400

<210> 32716
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32716

agcttctatg gaagctacct agtctataaa tagaagcatg tgtaacactt gctgcaactt 60
 tgatgaatga gagtcttgtg agacacaact caaagttcaa cttctctccc tttttcttcc 120
 ttcaatttcg tgctcccccc tctctccttc tctctttctt tcttttcctc cattgaagca 180
 tcctctccaa gcttcttata caaggctcat cttggtggtg aagctccttc ttccattgct 240
 tattccctag tggatggcgc ctctctcac ctcttgtcct ttgtcttcgg ctgcatcttc 300
 atggtggaat atcaccatta aaggacctca ttgaagctca nagatccagc ctctatagaa 360
 tncccaacag caagctctca tcactaatga cactgtcaac totgat 406

<210> 32717
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 32717

tgcttttgta ccatgatcgt catcaagtga tagagtctac aaatcttttag aaaacatgca 60
 aaatccaact ctttctactca attaaaaggc tatactgcta caagacaaaa ctagcatcca 120

aacgtgagtt cggccaagaa aatgcatgaa actgacacaa aaactcacac aaaatattac 180
 ataaaaagtggt tttatcaaca ggcacgaacc acacgagcaa taacacaagg gtgagcttat 240
 aaaaacaaac atactaaaac aacaatacaa cttaacaatt caagcctaac cacatactaa 300
 aacaacaata caacttaaca attaaagcct aaccacatac catcgtatat agaacataac 360
 atgcagaagt catgtataaa acataaatct tagaactaca taatagag 408

<210> 32718
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 32718

agcttgattg aactcatgtg ggatcagctg aagcttgcca gcaggacacc aattgtgcga 60
 attcagtcaa gctcccattha cataccacat agacaacctc acttaggtgc cttgacgcat 120
 aactaaaact gtgagtcattg taaaggcttg ctttctctct gttegaagga aactctattc 180
 tctcccttgg aaggcacctg tctctgttca acggtcacac ataaaatacc tgttctgcca 240
 tcattttgct agaccatatt tcacatttct ctggccatta tctaaattct atatattctc 300
 ccgtacatca caatgaacaa tggcctcata accctttact gattcagaga atgacacagc 360
 tgcgtgctgc tctgcctctt tgcaccactt ctctctgaat ga 402

<210> 32719
 <211> 69
 <212> DNA
 <213> Glycine max

<400> 32719

gccgcctgtc tgccttcttt gtgactgtct ggaacgcccg cgaggcgcca tggagatgat 60
 gactactac 69

<210> 32720
 <211> 109
 <212> DNA
 <213> Glycine max

<400> 32720

ccaaaaaag ttgctaacat acaatcttga cacttaagct acaaattaag ccacatgatc 60

gttacaaagt ttgctacaaa tctgttagag ttcaaaatga atttggcggg aaatgatagc 240
 ttgattaaga tgagattctg cttcactcgg cgccggcacc gtcattgccg cctgtcgggtg 300
 tgccctgcact 310

<210> 32724
 <211> 296
 <212> DNA
 <213> Glycine max
 <400> 32724

ctttaattag tgtcctaaat gtccttaagg aactacctat cattctcctt aataataaag 60
 cactttttaa gatagaaaat atgctccaaa atcggtccca tttcaactct tgtagtgcta 120
 ttcacaactc actaaatctc tttttccatc tttaggactg gacttagaat ggaattatgg 180
 aaatgaatcc ttaacagagg cttcaacaat tttgagagat gctggcaaga gcaagaaaag 240
 tcttgcatgt cagttgtttt tcttttttgc acttccgatg tttactctat tcttgc 296

<210> 32725
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32725

taagtttttag ccttcggggtt tttcaccatg tggctcatgt tgctggcctt atgtctaaca 60
 tattatccaa aaaagggttg taacatacaa tcttgacact taagctagaa attaagcaac 120
 atgatttggt tgtcatcgca taaaactcag taactcacca cggtttaa at tctactgaga 180
 agcgatctac aacgagataa aatcaaataga agcttattat gaccgcgagt atttatgtnc 240
 caagaaacca ttaaccactg aatttcatct aactaatact taattattga 290

<210> 32726
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32726

gggcggggccc gcccgactcg tctcgactgc atatagtact atngcgcggtt tgtcagcttg 60

cacccggcgc atctctagag tctacctgtt tgcattgcaag cttatcctct cgtagagcta 120
aatccagagg agaaatgcct aaagagaact ccagatcttg cttcccatta tggtcatttg 180
atacattcaa gatctcaacg gaagccaaac aattgttaca caaaattcta ctgttaagtc 240
aaaacaagaa tgccttagaa catattacag gacaagatat agcccacaaa cataaccagc 300
tatcaatgcg aggccaatat aatagcacat tcncctttgg gcaaaatgca taaaccaacg 360
ctacaaccct agccaatacc tacgatggcc taatccatga gaatacccct agctcacaac 420
atcgtccctt tgggcagaca cactcctcaa cttgc 455

<210> 32727
<211> 245
<212> DNA
<213> Glycine max

<400> 32727

agtcttttca ctccggagatg tgattcaggc gcataatata tcgagacgct cgaaaacgaa 60
caacggaagc tctcgagaaa ttccaatggt cattaccttt aactcggagg tctgatttac 120
gcgcataata tatcaagacg ctcgcaactg aacaacggaa gctctctaga aatccaaatg 180
gtcataacct ttactccga ggttccgatt ccgtgcatga tatatccaca cgctccaaat 240
tgaac 245

<210> 32728
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32728

gcgatcntnn tatggtacct cgcattcnng ttcgtttagn ntacatacan ctccaattng 60
gnnnatatat tattgataca taattttgtg ttcttgnacg aancgatttg ggccgagattg 120
tggtgatatg aattgtgaat ttccaaatct gcacttatgc anaatttttg ctgggaaatt 180
gtgcagcaga atcttgcaca agtgcagaaa aatgcttgtg tgtggttggc tgtggaaaga 240
gcagtgcgaa tgagttctgg atgttcgcta gtagatccca acggtcaaaa tgtatgctta 300
tgtactacag acttccagta aaaatttggg gtcgatccaa cggttaacga attggaccaa 360
agaattgtta ctgtggtctt tatgtgagaa aagctgcgat tctggttgat gtgttgacca 420

gaagtttctg ccttcgctct gttttgcttg gctgcgatag cttgtgctga tcgaatgcg 479

<210> 32729
<211> 117
<212> DNA
<213> Glycine max
<400> 32729

caaattgaag gaagaaaaag ggaaaaaaat tgaactttga attgtgtctc acaagactct 60
tattcatcaa agttacaaca agtggttacac atgtttttat ttatagacta cgtacct 117

<210> 32730
<211> 277
<212> DNA
<213> Glycine max
<400> 32730

agcttatagt atgcccagagt catttatccc tgtgagatgt tggtgaagta ttggcgatca 60
gaattgccat tccttggttga atagggttga accaagctca tgctttttaca aaaaagggttc 120
atcaagtcaa gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagatgaatc 180
gagtcacatc actgcttcgt ctactgccaa acatatttag gattattgat gtccttggtta 240
cttcagttt cacctttgac aagatgtcat ggaccat 277

<210> 32731
<211> 256
<212> DNA
<213> Glycine max
<400> 32731

tgatgtttgt atttatggga tggtgttgta tgtcattctt gttttaagag tagtgtccca 60
ctggtaaaac taactttcca aatgtttgcc ttgcgaggaa atggccccga ggaagcttgc 120
ctcaaagagg tccaggaagg acaaagcagc cgaaggaact agttccgctc cggagtatga 180
tagtcaccgc tttaagagtg ctgtacacca gcagcgcttc gaggccatca agggatggtc 240
gtttcttcgg gagcga 256

<210> 32732
<211> 369

<212> DNA
<213> Glycine max

<400> 32732

agcttggtga agaagtttcc aaacaaaaaa gggagaataa gtagaagtta aagcacacga 60
catcatttga atgggagcct aaagtatgaa ggaagcatca atttaggggg agttttttat 120
tcaagtttaa atttctgccc tgaaacattt tattatgtac tcaaaacaca ttttctttat 180
atgaataaaa tgagatgttt tttgttattt gctcacgctc tatctcaaag tcttatgatg 240
cattattatt tgggtatcat atatactctc tgcactaat aagcctaact aatctcttat 300
tgtgaagtct tacaagcata ctttcaactt ttaaactctgt atgtgtctga catcatcaaa 360
aatgaagag 369

<210> 32733
<211> 144
<212> DNA
<213> Glycine max

<400> 32733

cattgatttt aattacacac ctttttttct tttattgaac gtgatggtat tatgtggaaa 60
tcctacaagt ttctgcatt tttactcaca caaagtggct caaagactct tcaagacgta 120
tttaaaacaa aaaacttggtg tgta 144

<210> 32734
<211> 257
<212> DNA
<213> Glycine max

<400> 32734

ctgcacgcat gcaagcttat tctagacggc tttccttttt ttagcaagtt cctaagtcag 60
tcggttttta aggctccga ctgagtacaa aatgacttgt agcaatttgg taagtaatta 120
aaaactcctc tgcatgtcca attttaaaat cctatagata tctaatatga attccatgct 180
cattttcaaga tgtgccgagt accatgtact cacatatgaa agctataaga ttcactatct 240
gaacttgcaa tggacta 257

<210> 32735
<211> 284

<212> DNA
 <213> Glycine max

<400> 32735

tggagccaag cgagagctca aaaactagac aaaataggta aggatgtgag gaacaaggct 60
 agacttgtga ccaaagggtta ctcacaatag gaaggcatac attatattga aacttttgat 120
 cctgttgctc atctataggc aatatgcaat atactatcct ttgttgctca tcatggaatg 180
 atgcggtatc aaatagacgt aaaaagcact ttoccttaatg gacttatcaa gaagtttatg 240
 tggaacacac ccctgggtgt gagaggacta tctaccctca tcat 284

<210> 32736
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 32736

tacacacttg gtcaaactca tgaaagaaac acaaactoca tctcaaatat tgcctcaatt 60
 caaaataaaa gcatacaacc atttttcaca aaaaagatat aagcgggttca ttgccatgtc 120
 attcaaaaac aagttaaact atttcaaata ccttagaata aacaaacca ctatttatta 180
 attaaact 188

<210> 32737
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 32737

gcatgcaagt ttctacattc aatgcgagac ttttcgggta ttacgggact caatccgaca 60
 tcccactaaa aagttattgc agcttgaatc tgctcaagag cttcgtatct catttccagc 120
 gtctcgatat attaccggac tcaatccgac atcacagtaa aaagtcattg ttgttcgaat 180
 tcgctcagag ctccggcatt ccatttccac catctc 216

<210> 32738
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 32738

tggcatgagg gctatctctt tgccgacact ttacctttat tactccctac attattcatg 60
 gtgccactgt acacgaccaa tcttgcttag gacatggcaa tatggcccga agacgatccc 120
 aactcccaac ccccggtggac gaaacactct ccatatgtga ccacaacctc tacactattc 180
 ccaagcctct tcccctggat tactacaaac atccacaact atttctgact actctctccc 240
 acccaacaca cacaccattt tctgccacag caaaatccta ctgactattt gacaccaact 300
 ttttcttccc 310

<210> 32739
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 32739

ggcgagccct gccgcgtgcc cagccagggtg tttgcataca cactttggga gtatgcaaac 60
 tccccccgcg ggaacctata cattatatcc gcgagcttgc gagcttgcag gcgacggctc 120
 ggggtgaaga tggttgacaa cgctacctct gcaacacatg gctacggaat ggagaccggg 180
 aaatggtcaa tagagacgcc actattgtga gaagaatagt gaagcacgac ttcagtgcc 240
 gatgaagaca tggatgctca cccagtatgc aagacacaat gattgcgcgc cagatgccga 300
 taaagatgtt cgccatactg aggtccgaac gctgaagtcc tttcttcaca caatgcagag 360
 gactcaaccg atgaatagga tcacgcctta gaggagacta ctgcactact gtcaccagaa 420
 actgatcagg tgatcttaact gacctgtaag aagttccatt tgacc 465

<210> 32740
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32740

ggatggacnc cgagcaccgc canttgtgtg ttggaacacc gctcngantt accctggttg 60
 tggtgtgtt tctcatcttg tcccccttaa ctctaacaca tggaacttat ggcgacctct 120
 agcctctact tcatattcaa actgaaactg acgagaacct ttccatgaat ttggggagt 180
 actcatctgt cgtctgctga atgattgtga gtgcaactat acgcaagtgg ggtgctttac 240

<212> DNA
<213> Glycine max

<400> 32743

agcttctcaa ggaagttttc ttaagaaagc tgetcaagga agggacctag tctatgaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 120
aagttcaact tctctccctt tttcttcttt caatttcgtg ctccccctct ttctttctct 180
ccctctttct tttcctccat tgaagcatcc tctccaagct ttttatccaa ggctcatctt 240
agtggcgaag ctcttcttct catggccttat tccctagtag atggcgccct ctctcacctc 300
ttctcctttg tcttccgtg catctccatg gagtaaaatc acca 344

<210> 32744
<211> 218
<212> DNA
<213> Glycine max

<400> 32744

tatttaatgg tggtttgatg gggttcattgg ttctatttgc atttaatttt tgcattgcttg 60
gggactgatc acccatgtgt gtgtaaagtg aagattttta acattggaaa atggtttgaa 120
tccttaaaac tggatagaag agggctagaa tactgtatgt ctggacacag agtgaagga 180
tttaagtttt aatatgttgt aatcggaatg caattcat 218

<210> 32745
<211> 155
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32745

agcttttncc ttatttttctt ataattatgg ggagaagtga agggaaaaaa tgttcaaccc 60
tcctagcaat tccagatcac ttcaaactcag cgacgaaaat cgcctccgtg aagaaaatcc 120
aagccaaacc gtttccgtaa cgttccgtg ggtga 155

<210> 32746
<211> 358
<212> DNA
<213> Glycine max

<400> 32746

taatattoga ttattattct tgtggaacct tcacccgacg aagacactga caaaaactta 60
tcttctcctt cttggacaaa gtatggcagg ctggggggcaa ataaattttc ttcccatcaa 120
accttgatg caactgtgat cttataccca tattaactag atcttgaccg gtattcaagc 180
catccttctgt cttgccttga atgttaagga gcgttccaat cacactgtca caaacatttt 240
tctccacatg cataacatta ataccatgtc taaccgtcag atcaacacag tacggaagat 300
caaagaaaat ggaccttttc tttcatatgc aactctgact tttattcttt ttttgggt 358

<210> 32747

<211> 283

<212> DNA

<213> Glycine max

<400> 32747

agctttacga atcccgatcc aaccgggga tagtcagtga gtgagaacct gtgatgtgcc 60
taaacaggcg agctcctggc agtcaacaga atatatgaac aaagaccaca aagcaaggag 120
gcttgtgtgg tggtggcca gctgtgaact ttgagtgtta tatgggatat gggctttgggt 180
aattgattac caacggtggg taatcgatta ccacgcttaa aagtgaagac atgaagctaa 240
gatggcctct ggtaattgat aaccaaagggt gtaatcgatt acc 283

<210> 32748

<211> 372

<212> DNA

<213> Glycine max

<400> 32748

ataaaaggga tgccccacat tattttcatg acacaaatgc aaaaatgatg atttggaat 60
tttatgccaa actggatcatg catgcaccta tgccgacgct caagtgtcaa atttttatgg 120
tcatgtgatg ctagggtcca cgattcattt cctctatttt aatcaaccc aatgtttcca 180
aaacatggtc ttttatcaat ttgtgcattc ctccaagtcc ctttcgggcg tctggggaaa 240
ttttcacagc attcaccctt caggtgtaga cacgttcttc ttttcaaat cgggtatgat 300
caatgaactt tttttcaaaa aaagttgaaa tcattttttt caaagcatgt cgggttttagc 360
tagaaactta tt 372

<210> 32749
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32749

cggcgcgccc gtgacgcatt gaatantcat acggtgtag caattcgcan tccgggantt 60
 tgctnancctt cgcgcaggna tgccacgttg tgagacnctc tttaaccttt tgtgtggtga 120
 actacagagc ctggcgtttc tacatttact caccatcata gggggataat gtggaatatg 180
 caatactccc atcctcgaat attaccccat tgcattgaac gttcgcagtt cctctccttc 240
 gttccatccc taactgcccc ctcataatgg agaataatta tttcctacac aaacacgtaa 300
 gggggattga tcaaaattat cagcgcacat gaccatagag aaaacggaag cacagactaa 360
 gaccaatcta cccattctga gggcttgaac acggtccaac tatctattga ccacaaccca 420
 caaccttata caatatgcca tgcccttacg cgtgctacgg cc 462

<210> 32750
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32750

cggccccccc ttgacgagtc gactctgcac gcgtgtagc ancatcngca gttaggcgag 60
 ctctcctaca cgctgaatcc gtctagcatc taccttggtg cacgcaagtt tatgaggtcc 120
 acggcgacaa caatgagagg ttatatactac atgggccctt atcatgtgaa tgccctatga 180
 aatatgcggc ggaaatggtg atcctcaatc aggtcaattg tgactaacat gccgcttaat 240
 acgttcgcac ccgcagcatg catcaaaggt gatccactt tcagaaaatg cgtatacaag 300
 catgatgctc acaaatagaca tgcaaggact ccgctacaag tgctgtaacc ctaacttcac 360
 ccaatggcca ggattacgcc gacggaaagg aacaattctc ttaagtttta tcgtgcacac 420
 cgacgcctaa aagagctcta gagacccta tgaccgggaa caagatcagg cgacg 475

<210> 32751
 <211> 309
 <212> DNA

<213> Glycine max

<400> 32751

agctttctccc tttattgtct ataaataggg ggagaagtga actataaagg ggttcacccc 60
 cttacgcaact tctctctttc caatccgctc tgaaaaattg cctccgtgaa aaaactccaa 120
 gccgatgcgc ttccttaacg tttcccgag tgactccgcc aacgtcttcc acccttcttc 180
 caccgccctc attcattcct caacggctca ccacctcaaa ccaacctttc ccactattct 240
 atgtaccogt ggtgggtccac atctgggtccc tgcacccat ccccccctcca tttacctttt 300
 atccccccct 309

<210> 32752

<211> 213

<212> DNA

<213> Glycine max

<400> 32752

agcttggttat caatgctaata cccaaactcc ggtgcatagg gattatactc ataatacagct 60
 tcccgaattg tctgctagta tactgggaaa gctatacatt aattaaacta aaccaaacca 120
 cccacacaca ttatatattt gtttgtaacg agaataaata ctgacaagga caaagtaaaa 180
 caattcgaat ttatcataca gccatggcta ttc 213

<210> 32753

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32753

agcttgctgc ccagctggcc caagcgagca aggttgcttc ctncagaagc aacaaccttc 60
 tggaggaatc ttctggaggg cccaagtggg cctcgctgct atttacaccc cctgtttact 120
 aaatgcagcg cccttttcta ttcttttgta attctttttc cgtaacgcta cgaaacttta 180
 cgaatttcgt aacgatacct attttgcttc cgaaagcta cgaatcccta ccgattatgc 240
 attctactct cttttacctc tcgaagaaga tacggaaact tcacgattgc ccannaacac 300
 ctcttttcga tttcccgac attacggaat ttcatgaatc ac 342

<210> 32754
<211> 288
<212> DNA
<213> Glycine max

<400> 32754

agtttgact ctttcatctg atggagtgc taccatttaa cttgccacac actatctacc 60
tcaacattat gtgcatcaca aactctatgg atagccttga agacatctat tatgctgctc 120
tactcaacag aatcttctag agtaaaggag tttatcaagt cttctgttga tttttggacg 180
atggatgata gagatatggg ggacaataac attggtcatt tgggtctacta ttcttatctt 240
ctatattgat ccgccaatct tctattatct agtgggtgcat ccagtcac 288

<210> 32755
<211> 238
<212> DNA
<213> Glycine max

<400> 32755

ttggcgataa gtacctttgc aacgacatgg tccatacatc tcaccgacac atgtaaagcc 60
ttgttggtgc ctcttccctc aacgggaatt tcttcttctg gaaacgcat ataagtgttg 120
gtgggtatat gattaacgat gcctttcaaa cccttcactg agatatcatg tgctacatgg 180
gcatcgtaa ggacctttat cacagcgac gatgaggctc ggaagttatg agcagttc 238

<210> 32756
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32756

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cttttgaagc tttgagatta acctcaagct aacatgacca agcttcttat gtcaaaccac 120
ataatgctct ttgactgaga gtacgcatga aacttttgga ctagacagat caccaagtct 180
aatcttatac agatttcctt gtctcttagc ctagaaaagt gaagaagtct ccttgttctc 240
aatgatacac atatcctngc taaagggaca ttgtatccac tatcacataa tttacttatg 300
ctaaccacaa tatgcttcaa ccctttaac 329

<210> 32757
 <211> 181
 <212> DNA
 <213> Glycine max

<400> 32757

gcgggaattc ttcaataccc tatttataca ttctgagagg ttcgttgtca tgtggccata 60
 tcgacatcct tctttattca tagcaatggg ccactttttc cttgaaatgc gaagcatcct 120
 ggtgcttatg gttgacttac ttgacggatt tttctaaatt ttgataaaat aatatggctg 180
 c 181

<210> 32758
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 32758

agctttaaga aaaagatggc ctcatttaat ggcttatttc cagaagggaa ttctatcaat 60
 agacctcaa tctttaatgg agaggggttac cacaactgga aaacccgaat gcaaattttt 120
 attgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 tctagagata gatgggtctga agaggataga aatgagtac aacacaacct aaaagccaaa 300
 aacataataa catctgccct atgaatggat gagtatttc 339

<210> 32759
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 32759

tgtttgaata caaagagttt actctgctaa gcaaacaaca aagggtctat gttctcgttt 60
 ttaccgccc aatacttttg acaaaatttc accacttgcg tccttttagcg tccaatactt 120
 ttgggtctgga tgcactgacg tatagaaggg atcatatcat tcctttgtat tgggtgccat 180
 cctcttttctt tgattcctcg tccagttcaa gatgtgtact cgaatgcatg cgtgtcttca 240
 ttctttttac atcaaccatt ttgaactttt ttagaagttc attcacatac ttgggttgat 300

gaactgaaat gcctttatct atctgcttca ttctcgcta acgcacaatt tacgtcccta 360
tcatactg 368

<210> 32760
<211> 333
<212> DNA
<213> Glycine max

<400> 32760

agcttgtaga tcagagttta agacattcaa agcctgatgc gacacgtctt caatccaaca 60
attatcttga aatctaagtc caactttgta agtctaaaca tgtttacgaa atattataat 120
atctcatttt gcctattctc atgataaaaa aagatgttta caaaataact tacatgtttg 180
gaaacagtct acatctagaa aaacaaaatt tcttaaaaaa taagctgctt tttttaatct 240
aaaaattcgt aacttatgtc tatttgtcaa taatctttct ttctttattt aaaccgcttt 300
catactcttc tgcccggtca aagttgatta tct 333

<210> 32761
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32761

cgcgtgcaca nccacgccag ctattagtga catttagaat actttcgnnt gccctgtgg 60
aagttacttc atgaggatat agaagtttat tttgtataat attagagggga tccagcttgc 120
acacgaatcc tgtacaaata acccattgg atatttgctt tttttaagaa gatttctaca 180
ttaaaaaaaaa acctatgaac aatattattt taacagaaag atacatggtg ttattaacaa 240
aaccaaaaat ccctaacc atgggcaatt cttactttt ttataaaatc cttttttaaa 300
agagtaaatt atgaaaaaat gggttacaaa aaaatatttt ttaccttag aatttttttg 360
gttgaccaa ggtttgaata aattaccatt aaaccagga attcatggaa cccttacaac 420
cttatttttt tttcctttcg ctagaatttc caatgaaaaa aaacaacctt tggttcct 478

<210> 32762
<211> 289
<212> DNA
<213> Glycine max

<211> 330
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 32765

 actggatgct ttggtcaact tgagaaccta nctggccttg aatcacaaat ctggagctgt 60
 ctttaaggggtt tgtgggggtgc gccctcccc tgaccancat atanaccttt ggccttccat 120
 gcagcaacct aaagcaattg agcagcctga agcttatgct tgaaatattt acaatagacc 180
 ttctcaacct cagcagcaaa atcaaccaca gaagagcaat tatgaccttt ccagcaacag 240
 atacaacccc tggatggagg aatcaccta accacagatg gtccagccct cagcaacaac 300
 aacaggagcc tgcttcttcc tttcaaaatg 330

<210> 32766
 <211> 88
 <212> DNA
 <213> Glycine max

 <400> 32766

 acacaagagt ggggtgcctat tacgctgaac ctaccctttt acgccaacaa tcagctatcg 60
 gctacgccat gataattccc ttacacct 88

<210> 32767
 <211> 178
 <212> DNA
 <213> Glycine max

 <400> 32767

 agcttgcttg cggggccttg atggaggctg gatctttgag cttcaatgag gtccttcaat 60
 ggtgatttta caccatggag atgcagcgga agacaaacga aaagaggtga gaggaggcgc 120
 catccactac ggaataagcc atggaagaag gagcttcacg accaaaatga gccttgga 178

<210> 32768
 <211> 470
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 32768

acgcggctgc cntnnnnccc ttgcncctcca cccttggtggg cattcgacca ctttgaggaa 60
 ttatgcgaac tcgccacccg gngatcctct atagttaact gaagcttgtc aatttttaag 120
 tgcccaacaa ctgggacaac gtctctataa tggaccacga tcattgctcc tacttattgg 180
 catcgatcatg atcattttat ctaagattgc tactgttggt cccatcatga agagctagtc 240
 ctccctagtc cgaacattat tagattactt ttcaattgaa ctgcgccaga tcctagttgc 300
 tcacttcttt ttttcttatt cataacttgat ggtgtgaaaa cttcaccact ctttctgata 360
 accaacacat tttgacctcc ataatacctc acaactatgc tttccgacat ggaactgctc 420
 atatttacat ataccacaca ttttgcaact actatggcgg gtctgccccg 470

<210> 32769
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32769

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 ctccaataaa ctacttttgg tttggatatg tgttctgtca cgcaagattg cgtggtcact 120
 agtagccata ttctcaatta actccattgc ttcttcatga gtcttttagtt taatttttct 180
 tcctacagaa gcatctacta attgcttcaa ttgtggcctt aacccatcaa tgaagatggt 240
 caactgtata cgctcacaag aatcatgtgt ggnggtcttc cgtagcaagc tatggaaccg 300
 ttctaaaact tcactcacag attcattaga aaattgatgg aatgaa 346

<210> 32770
 <211> 242
 <212> DNA
 <213> Glycine max
 <400> 32770

gtataagggt atcgcgtaaa aacatgggct atattgttta ttcttgatg ctaaacaatg 60
 gataactaca actcgttttt gagcttccac cgctttggtc tgtgaatcac gaaagcactt 120
 gacctatgac tttcttattt agaaaaatgg gaacaacttg acacatatta atatccatta 180
 tggctatcaa attccactta gcacttaaca taataaccta ccattatcac cgtattatat 240
 ta 242

<210> 32771
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 32771

agcttatata ctatacatct aaaatgttca gggcccagaa aaggtgatga ggagatatat 60
 atgtgacgtg atgatcaccg aagcgctagc aacatatatta taaaatattt ttttaataata 120
 ttttttatta tcagctaaca tttataaaac agattataaa tctattaata gaattcatta 180
 aacacaaaat aacatcaatc aaatctgtat ttttcaatac aattcaacca cagttcacgg 240
 tgtatttaat acagggggct ggcgtttatc taaccatgat accgtacc 288

<210> 32772
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32772

tgatcctatc acctagcatt cgngacattt agtaaggtaa catctccacc cangcnaat 60
 tttgtgtgag aagcgccctt ttccttggct tatncccca cgggaaggggt cgtctctcat 120
 ctctttaacc ttggcctccc ccgcaccccc catgggggaa aaataccatt taaggaccct 180
 attggagctt aaaaatccaa cccccattga aaccccatca gcaagggttc attccatata 240
 ttctatcatc ctaagattga cccatgacaa tgaatctatt aaaagttact accagctctg 300
 agaaactaac taacagtggc caatacgatt gatggggaaa agaattgattg gacttgcaat 360
 gtggggaata gaaatttggt ggtggctgta caattgtcct cttattatat aaaagggcgt 420
 cgttccaatc acaccaaacc ttttgtttat ttttttttca cgaatttacc tc 472

<210> 32773
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 32773

agtttgtatc atctactttc tacaaattga gggtttcac aaagatttgt attctacagg 60

ccacccggcg atcgtctaga gtctacctgt atgcatgcaa ctttgctgct ctctggggcc 120
 aaaactaggc agctgaactg caggtctcac ccatatcaaa cacctgttat ttaacgaaat 180
 aatttttaaat gcaacaattg tcaggtacac aatttgaaca ctaacatact aacattatcg 240
 tctcagaacc aacattcaga tgcttctgac acatctccct aactctatta cttcaccaat 300
 ggttgatctc aattaaacca ataacttcca tctttatgat ccacgaagat acgctttgta 360
 cctcattaag accgctgatg atgcccgaac gctccctatc ccttatgacg ccccatctct 420
 tctacaccat cgcgtaccta aatccatcac aggtggcttg tccc 464

<210> 32777
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32777

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 tcacgcccc ctctagagnc nacctgtttg catgccaaatt ttatgggttat taagctcacg 120
 aacactgagc acaactgaac tcaattccct ctggaattca tgccaaatga acggatccag 180
 gctccaccag atctttctct cactaccacc aatacgtat ggcatacgtc tcaattggca 240
 aggcattctgc acactttgaa tgacccctt tcattctttc acaaacgcag taaaccttat 300
 cctactcgcc tacgttattg tgtcaatctc cctatgcaaa tccgaccca gagcgatccc 360
 cgctacaat taacctatac tatcctccat gcacaatcga attccgtcca caggaatcc 420
 taccatacac ttcccaattc ggctcactac attcg 455

<210> 32778
 <211> 250
 <212> DNA
 <213> Glycine max
 <400> 32778

agttttgatg gttttgagaa gaaatcacat gtgtgtcatc atcaaaaagg cggagaatgt 60
 gaatgcctgt atacatgact ttgatgatgt ccaaagaaca atcaacaac gctcattttg 120
 cttcaagatt aatacaaaat tgtttgcaca aacaaagcct tgattcaaga cttcctcaag 180

gatggagttc acatattgtg attgtcaaac ccaaaacatc atcacaacac caccce 416

<210> 32782
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32782

agcttgcttc tacaatctcc cctttttgat gatgacaaac ctgaaatcaa gaaacacata 60
cacattcttt ttcttagtgc atcactcact ntattctcca tattctcccc ctttgttttt 120
gagtttatgc ttacttgaaa ttaagttaat tacttatgtg agttcttgat ttgattccta 180
tttctctccc gctttggcat caacaaaaag ccaaagtgcg caacaaatat aaaacataca 240
tacattacta atcattcaca agacattcat tgaaaaaatc taaaccaatc atgaagcaag 300
aaacatgaat agatcacata tataaaaaacc acatagtcac ataacataat tcataattgc 360
tcaatcatac tat 373

<210> 32783
<211> 419
<212> DNA
<213> Glycine max
<400> 32783

gcgggtctgg gagacgaatg tcaagtgggt tctatatgtg aagatgatgt tccaagaact 60
ctggatttgg tccgaccatg cccttctgat ttccagctgg gaaattggcg aatggaagaa 120
cgccccggca ttacgcaac gagcataatg taaaccttta cggtttttaa agctctatag 180
ttgggcctag gctttagagt ttccattttg ttaaggcttt gtgtcttttg tttttgaatt 240
tataatacaa ggatctttct tcatctgttc ctagtctcta cccattctca ttcatattgca 300
tgtttacttc tttttctaaa acggcagatt cgatgacgag tccccgaag gtactaatac 360
ctgggacccg tctatcaact tcgagcaaga aatgaaccac acggaagatg aaagagatg 419

<210> 32784
<211> 213
<212> DNA
<213> Glycine max

<212> DNA
<213> Glycine max

<400> 32787

agcttggctt agcacattac tatcaacaaa gaattgtcta agtgacctgg gctcaccgat 60
tcagcctcgc ttatccacag gtagttcagc aagaggatga gtattcatcc tcaaaggatg 120
aactcgctta ggcgggtacg cacgcttata gagttcttca gagaacgcct ctatacaatg 180
agaactgatg aactcactta gtgcagcatg ctgcctacc gagttcattg tgtcttccac 240
acaacacaga aaacgcagct cgctctcttg cacttttcaa agctctaaaa ggcgtattac 300
acatgcactg tgtgcatcat actcaatata atataccaac gcaaatagtc ct 352

<210> 32788
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32788

gaagcaacgg ncttttttgg atataaaten tgatgctttc tacatccgct catggaagag 60
cgttgatagt tgcctttatc aggcaatacc aatacaatac taacatggct cctgacagaa 120
cccagctgca aaatataagc aagagagagc atgagtcctt taaggagtac gcccaatgg 180
ggagggactt ggcagcacia gtggcacccc ctatgggtgga aagagaaatg ataactatga 240
tagtggacac gttgccagtg ttctactatg aaaagttggg gggttacatg gcctctagct 300
tcacagattt gatatttgc 319

<210> 32789
<211> 330
<212> DNA
<213> Glycine max

<400> 32789

gcacgggttta tgaagaatgc gggagcttct tgggcgcagc aaaaggacgt tccccagta 60
taatactcat accatgaagt tcaccctatc gatgctcct ctatttctat atgctttcta 120
aaacttatta tccctgctta ccatattcct ctctctctct aaaatctatc atccctgctt 180
accattctgc tgctcctcct attcctataa gactcctcta agccctactc agaaagaaca 240

acgacctaataa ttgtgcccgc atccaacttt ttgccccttg aaggcctttt gaatgttcat 300
tccatttgcc caatttcaat gtctgtccac 330

<210> 32790
<211> 159
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32790

tacggaagca ctcttttgag gttgttttca gctattgaan acatcccgtg cctacaatat 60
gccaatcaga tcatgggtat gtatagaaaa gacgcttcca tgcctttgat gtacgcatta 120
caaatgcctt acttgatttg tatgccaagt gtggatgca 159

<210> 32791
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32791

aggcgagcgc cgtgacgcgt tgaatgccgc atgtagacaa tacgcttttg cganctcgca 60
cacgcttatc ctatagagtt tatctttttg catgcaattt tcgaataaat caggagacat 120
gagaagggtac cgtaatgacg cataccatca cccacaatat ccccatgata cacactgcta 180
ccattgatca tgaatggaac tttaccacta tccaatgcat aatccgatct cagctcgcaa 240
aacataatcc cttaactatc tctaaccac tatatccaac tcaatttgct aagttcacgc 300
catgctatgg attaagcctt ctacatcgca tacactgaat cactcatact ctcttctta 360
atcttctccc cattccacta accaaatcct atcattgcct ttatgcaccc cacccaacaa 420
ctctctaaga aaaacgacta tttgtcctga taaccccc 459

<210> 32792
<211> 291
<212> DNA
<213> Glycine max

<400> 32792

atctttctgc tttcttactc cacatacaac cagatcagga tgcacactcc acaccacgag 60

aaaacgacat tcaactactaa agatgccaat ttctttttaca tggccatata cttcggcctt 120
 aaaaatgccca gtcctacata ccaacgactg atggactgag tcttttagaca atagatcgga 180
 ccaaacatcc acgtatatgt ggacgacatg gtcgtcaagt ctaaaagcat agcccaacac 240
 gtggcgagacc tacaagaatt ctttggggaa ctctgcaaat atgacatgtg c 291

<210> 32793
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 32793

agttttaagc aaactcggat gacaataacg ggggagtcgg atgtccgatt aacccaattt 60
 atactctgag acgctcacaa tcgaatgcag gagctctcac caaattccaa tgacaataac 120
 ttttcaactcg gatgtccgat cggaccccg c aatataccta gaagcccaa atcgaaaaca 180
 gaagctctga gcaaat 196

<210> 32794
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 32794

agctttatgc ttatgatcgc gcgattcttc ggataaagga aagagagaca gcgaatgcat 60
 atttttcttg tagtctaacc ataaccaaca aatgaaggc tcatggtgga gtgaaacagt 120
 cattattgca aagattctga gatcaatggt ctcaaacctt gattatgtgg tatgctcaat 180
 tgaagaatcc aacaacttac acatgatgag tate 214

<210> 32795
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 32795

atctttgctt gtagcttcaa tggagaatga agaagaagag aatggcaacg tgagggagag 60
 agagagagct gtctgaaaag tgtggggctg agtgaagaga gagagagagt tgctttttta 120
 ttttaaaaaa aagctttttc ctcatctctt attattttat tataaactat gccacatgtc 180

tccatttgag tggagcaaaa agggcccact ttcccttttt gactgtgacc catactcagc 240
 cacaaaagtg aggaaaatct gacctttgaa acgctaaaat cttgcctcgg ttgcatgcc 300
 gtttctatgg ttccagttcc tcgcgtttct ctgcg 335

<210> 32796
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 32796

tcattgcgcat atttccttac atacgtgctc ttgttcatta catttaaccg aaaaagtgca 60
 cgcgtgttct attaatgcag cttcattacc tacatcattt acacgtactg ccaaggtgta 120
 tttgttactt acatcacacg catctccttg gctgaatttg catacatgca tactcaaagc 180
 attttggggg accaaaaatt gcacatgtgc acatcttggg atttctaata cctatatata 240
 cacaaacttc atgatgaatc ttgactatct tcacaaaaag gtgctacact tcatcccttt 300
 tttcaagttt ttgctaccta aagccgcatg caaatttaag catatttttc ttgcggaacta 360
 aaattgtatt ccaattaaaa agtatatttt ttgtaatatg ttttcttcat gccacat 417

<210> 32797
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 32797

acccgccgac ccagaggtta cccgcagcat gccatttttc caccgacgggt cccgaaagct 60
 gcgccatcta caaaccaaac acacttcac ccacaccta ccaacactca accagctctt 120
 acagcagaaa gagtctctac gcgctcattt cgaacggcgg aacgaaatga aacggaacac 180
 actggagaga aacaaaacac aatacaa 207

<210> 32798
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32798

ttaacaacta tttcggacgt gcagtttatg ttatgaaagc cttcttttac gggtctcana 60

gcgtattaga ggcttctttt caatggctac tagatgtaat taagtcttta cagaactgag 120
tgaatgaact gaccatatta gaaaattaca ggacacaaga aatacctcca ttattatcag 180
ttaatggtag aagagtcttc aagtgcacat gccgtgcata caataatcaa aatcaagaca 240
agcacaaaac atgcaaaaag tgcacaaaaca tataccatga aaaaataaca atacaaaacc 300
caataaaagc ctgtcccgtg aataggtggt ctgcg 335

<210> 32799
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32799

agtttcacat agctgtcagc taaattagga gccatgaaga agtcaacata cccatctaac 60
attttcagat gcccagccta naccatgag aagggagaag aaagaaaaag ggcattgtac 120
tgtattgaaa tccatggaga tattctacca gaagaagcat gtgtatcaac taattaatca 180
cctgtatccc attacttaga gcaccaccaa aaaggataag tattgaatca catacaccac 240
tggaatcacg gatgacaaca gcattgacct taactctctc acccaaaacc aaccaagggg 300
aaggaatggg ctggtaacgt gcattcactg aattctg 337

<210> 32800
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32800

agcttctacc aatacccatt cctacaactt attatgaaga ggaagggggg atcgaagaca 60
catatatgga catagaaata gagatgacaa cacaaatttt agaggcaata atgaccaatt 120
ccaaggtaaa ggcagaggaa gggattttga aaagtctagg gtggagtgct atagatgtca 180
ttgtagaagc aaagcttcat ggtgaatcaa aggtgattca aaggtgtttt gatgataaca 240
atgatgataa caaaagatga tgacaaagggt gatgacaaaa agctcaaaga tcaatcaaag 300
aacaactcaa gtgaatcaaa gatcaatcaa agaacaactc aagtgaatca agaacantnc 360
aagagtaaga gtcaa 375

<210> 32801
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 32801

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agcttgtagc atattgaaac ctcaatatat cgagaagctc gacattgaaa gaagaaactc 60
tgagcaaatt gaaacgacaa taacttttca tttggatgtc cgattgagta ccgcaatata 120
tcgagctgct cgatattgga aacataagct ctgagcaaatt tcaaacgaca ataactcttt 180
actcggatgt ttgattgagt cctgtaatat atcgaggcac tcgaaattga aaatcaagct 240
cgaagccaat tcaaacaaca ataagttttt actcggatgc ttgattgagc tccttaatat 300
tttgagacgc ttgaaa 316
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<210> 32802
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32802

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cgcgatttgt ttgcnegtgt ctagnctgng acatttggtg gattagcgac caccgaatta 60
naccgatataa ctatttactc ggatgtctct ttttatcggg taatatatcg agacgcgtgg 120
tattgataat agaagctctg aaccaattga aatgacaatt actttatata cggatgtcct 180
ggttgagtcc gttatatatc gagacgctcc atattgatac aaaacatttt ataaaattaa 240
accacgataa ctttttactt tgatgcccga gatagtggct taatttatcc agagatggct 300
caaatgaga acggaagctc ggatcacatt caaacgacaa ttacttttta cttggatttc 360
tgactgagtc cccgtatata tcgagatgct aaaatttaaa ttccatagtt ctggaaaatt 420
tggattgaca tgactttata cccggatggc ctgttgagtc cttgaatata tcgaaacacc 480
c 481
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<210> 32803
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32803

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ccacaacata gaaaggccta aacacaagtc aaaacacata agactaacia ccaccgtgtt 120
atgggtcatct atcggtatctc acacgcatnc taagggtgtca tttttcacta tctcaacata 180
catattgtgg tcaactacca ctagaactct caaaactcag tgggtcttcca acattctagt 240
ctggatgaat gctacgagta caccttcatg acaatataat ggcacgggtct tacctattgg 300
ctatgcctca cacttgtcga gatttccaag ttgacactat ggaaactcga ccacaaactt 360
ggtgccat 368

<210> 32804
<211> 381
<212> DNA
<213> Glycine max

<400> 32804
atttaaattc ctaagatcat gagcatctat ttgtgtctta ctatgaaaag tggtcagata 60
acaagcatag attcaaaagg tactaagttg cctcctaaga gcgcttcttt aacgtcttta 120
actggacgca tgatggcttg taagtcacgg acctaacact ttgcttacct ttggcttttg 180
acttggctgc ctgctggctc gccatgtgtc gtatgcaata ctcaaaccct tttgtggatg 240
agcagaggtg aactctaaag ggggtggcgg cgcgtctatt gcccgtacc gaccatcccc 300
aggctgctgt ggtgtttcgc cctgcgcctg cctggagacg caatactttt tgatgaaagc 360
atcattacta gggggcctga t 381

<210> 32805
<211> 209
<212> DNA
<213> Glycine max

<400> 32805
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ccacaacata caaacgcta aacaaaagac aacacacata aactaacia ccaccgtgtt 120
atggccatac atccgatctc atacgcatac caacgcgcca ttcttacta tctaaacata 180
catattgcgg ccaactaccc ctacaactc 209

<210> 32806
<211> 286
<212> DNA
<213> Glycine max

<400> 32806

agtgttaacc atgccgttct acaaatcaaa gaatacaact atgggggttg acgaaggacc 60
tgcgacattg gattttgttc ttgaaccga agtcagtgtc aaacggagtg tactacaaaa 120
tatctataaa tgtgactgta ataatgaaag caaacaagaa tttgttcatt ttctttgcgg 180
agctcacttg gaagttctct ttgctgcgat agttatctta cgacctttac ttttattatt 240
tcatacaaga ccaaaagtca aaatttccac actcatacaa ccaccg 286

<210> 32807
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32807

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ggttacgatt attctaattc attagctcaa cctccaacta gcaacttggt cgtggcccgt 120
gattctaagc acggacccac tcttgnctt tggccacgtt gcagtccaat agaaatatca 180
gatatagcta atttacattc gtatgaatat aagatataga ttaatatag ccattagata 240
acgatcgaat gagtaattac ttcttgctaa agaatgccga atggggcatc atgttttaag 300
ttactagcat tcttcttctt gggagaatcc atgtgaaacc aacaattata aaatacctat 360
aatattactc tat 373

<210> 32808
<211> 230
<212> DNA
<213> Glycine max

<400> 32808

gactaatagc gcacacaatg cctgaacaca ctctaaatg cctttacagg accaagatcc 60
accaatagaa aatgacaact acccatgcgc tgaaggccta aacgacgaca catgtatttg 120

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca cgtgaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcatcatt agagggagt gcaaaggact ggctgtatta ccttgctcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaacnaat ntccctgct 300
ttcaggacca caaccatcan gaggatatct cacgtattac acaactcagt 350

<210> 32812
<211> 326
<212> DNA
<213> Glycine max
<400> 32812

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aaacataatc accaaagaga cattcctaaa acgcaaacag aaggtacata tggcataaaa 120
cctcagaatc tgagctaaat gaatggcaat tatattatag atgaatcctc tgcaattgac 180
actgattcac tgaacaggaa acttaccttc atccctctta cactttccaa tgteccacaag 240
ccccatgggt ggccaatcc ctcccatagc cacaagttca gtgaagtggg gattgcatg 300
gccatcccct cccatagcga aacagg 326

<210> 32813
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32813

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ttgatgaatg aaagtcttat gagatacact tcaaagttcc acttctctcc ctcttttagt 120
cccttaattt cgctctcccc ccttctctct ttctttctct ccattaaagc atcctcttta 180
agcttcttat ccatggaaat tcttggtggg gaagcttctt cttncctggc ttattcccta 240
gtggatgggt cctccccctt cctcttctcc ttttccttcg atgcatctca tgggtgtaaaa 300
cccactgaa ccccc 316

<210> 32814
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32814

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 acaccctct aataactaag ctcacctcct taagaagctt cctttagaag attcctaaag 120
 aagtcagagc ttagttacac tcacctctct aatagctaag ctcacctcct tgagatgaga 180
 agctagagct tatctacaca ncccctataa tagctaagat ccccccatg ccaaaatata 240
 tgacaatata aaaaaagtcc ctactacaaa gactactcaa aatgccgtac aatacaaggc 300
 taaaacccta tattactaga ctga 324

<210> 32815
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 32815

ctacatattt tctatagtgg tttgaaacct cagacaaaga tggttcttga tgcctcaact 60
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 gcccatgatt atcagagtca ccatggtagg actccaattc aaagaaaagg tataatgaac 180
 cttgatactc attatgcaat tttaagtaac ctttatcaac taaatagctt acaaaagtta 240
 agaataattt acctaagaat tgtcttcaat cttctctatt ggactagact tagaccaaac 300
 atcattattg taacagcata tttaaaccac tatttatctg ttatccctca tttaaataa 360
 gttc 364

<210> 32816
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32816

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 ccaagccctt actttcgagg ggcaactccc accttatgaa gactatcccg ggcaagacga 120

tggggaatga gatacccatc ttggccccct gctncacctc aaagatccat ccccgcatga 180
 actaccccag ccgaacatag tccactatat cccggcctca cccacacccg taaaagaatc 240
 tgtctccttc gcggaagata acggaaagat tgacgcgctt gaagagaggt taagagcagt 300
 cg 302

<210> 32817
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32817

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 gcctaccagg gaaggagagt ctgctgatgg aatctcccat aaccataaat gagattttgg 120
 atgttagcat ttcgtttcta aatgaccatt tagaggaaac actgggttcg acaaaaatag 180
 aagaaatcca ctcaaagtgt atcaatctcg cacaggtaag tgtttcatcc taattccgaa 240
 ccatagatat gtcatgactt gaatttgcaa attatttcct atcaaataa aaattacatg 300
 cgtgatcatg gatcaatagg gcttcccttg ggaatgggtt cttttggtgg tctcttcttt 360
 cggtttttgc gtgtatttgg cttttgatcc tcttggtttt ttctttttct gttct 415

<210> 32818
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 32818

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 cttctcttga gtcatttgcg atcgtgggtg ggacttgctg cttccaacaa aaccagtcta 120
 ccaccgcacc gcgctgccat gtgcgatgtg ttctggtctc gcgtcgtctg gtctcgcac 180
 gtctgaacag ctccaacctc ccgtgaatga agaacaggga caaacaccaa atgaaagaac 240
 caaaatccct aaagcacagc ggaccagtgg gcacacaatg atgtcgtata gtggaaaaaa 300
 atatctcaac tgaactcgcg tgattccgcg t 331

<210> 32819

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tcacatgtgc cctgaaaggg aaaagcaa t 331

<210> 32822
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32822

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actgaaattc cttaaagctag caatgtacgg ggcaaaaact tataatttta aggattaaat 120
tctggatatt taaaaaataa acaatacgaa aacctgacga gtagctactg aaattttccc 180
tttaaaaggt ccacagatga aaacttcnaa ttcacgacta acacaaacat gac 233

<210> 32823
<211> 355
<212> DNA
<213> Glycine max

<400> 32823

agctttttgt ggggaattta tccgatctag gtgataacaa ggctgggtgac tcgctaacag 60
ccaaggcaaa ttactaaagc caactttaat tcttttcact ttcattctat caccaaata 120
agagccatta cagaagatgt gcaatctctt gatagaattt tctataactt ggaattcagc 180
ttctcttaaa taaattaaaa ttaaagatct tttgaattca tgaattgcta ttttcattat 240
tggtgcata tgttatgtat aataatactt tggattggtc agatttgcatt ttaatgctag 300
ttgctcaatg gtgcgatatt atctataata tagaattggt ctgtaaagaa ccatg 355

<210> 32824
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32824

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agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120

ccccctaatt ttattttatt gatattttat tatttaataga tttgtagctg tcatgcgtgt 120
 tggtcgttgt tgtattactg agtggttttc atgtgtgttt taatggaaaa agtgtgaagt 180
 atgaattgaa attgtataag tgtcaaaaag ttgccctcat agattgaaat cttgaagtat 240
 tactgagtgt ttttgccact tcgataattc attttagggg tgaatcgaga cccaaaattt 300
 gtcttaatag tttcattgac atgaaaaata caggaataaa aaattatttt aacaaaaata 360
 acttatacac ataacaatct aagtgccaaa aattaccctt atgaattgaa atc 413

<210> 32828
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32828

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 ttgctccttg ccttggtatg aaccagctc actatgccct tttttcccc aaattctggg 120
 tcagttggcc ttttccagct tactagtctc atcaacacca ctccaaagct gtacacatca 180
 ctcttctcat tcactttgta cgtgtagcca tattctacac caattcaaac aaaatccata 240
 cattaataag catgattaaa gatcgcaaat taacatacac aatacactac aactcatctc 300
 ttatcaaaaag acaggagcta ctactcaatg ctaaccagga gcaat 345

<210> 32829
 <211> 287
 <212> DNA
 <213> Glycine max
 <400> 32829

gatcggccaa taactggcta gttaagtatg tgaaaaaatt ctttgcagtc caaagactaa 60
 tgcccgggct taaagttatt tacaccagaa ccataaggaa aagtttaatt caacaaagaa 120
 agaataataa attacgggga caaaattcgc attgatgggg aaatggaggt acccaattga 180
 ccaaattgtt aaggcaaaga gagaaaatgg aagaggactt actatcagct gcagaaatct 240
 tgagctgctc aagagcgggg gcattatttg gagcacccga tgatgca 287

<210> 32830
 <211> 287

<212> DNA
<213> Glycine max

<400> 32830

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aatttgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctgcagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcaac aaaatcaacc acagcagagc aattatgacc 240
tttccagcaa cagatacaac cctggatgga cgaatcacc taacctc 287

<210> 32831
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32831

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gaaagattca tgttcccttt tacacatgtt ctgtagctac attctatttg gagccatata 120
aaaattgtac tgatactgcc taataaagga aaccattang tcttttttagg aacggacccg 180
ggaagacttc agatngctgc accaggtgat gggtgcccta cttaaactttc ctagaagaaa 240
tgcatcaciaa tttctcattt ttgcgcatgc cccattttct acagtacatc tcaagtgaat 300
tttgggcaa 309

<210> 32832
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32832

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ccactcctca cgtttgggtt tttagggaaa aacaccataa ctaaacgcgc cgcaagggtat 120
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgccg ccgctgtcag ttcggctgcc 300

tatgtttctt ttattttcta ccaagtacat aacaattgac ttgtagcgat cctcaaggct 120
tatcaaakat cattgattgt ggttcctatc ttgttcttcc tttcacattt ttttgtttcc 180
ttgtttaatt cccgcaatgc taattttgta attctgtccg aatttcttat tttcatatct 240
ctcattatac ttaacctttt tcggtgtttt tttgtgccta cattgcggtt cataacgtcc 300
tctttcacct cgttttggaa tcattccatt ctgtgtactg tacgctaaaa aacaaataaa 360
agttaaaatg catttatggc tcaattggtg tgcgaattcc attct 405

<210> 32836
<211> 331
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32836

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ttttccacat ccacaaatcg cgcataaaca caccatcccc tgttgcccac ctccaactga 120
gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt ccccatcaat 180
cctcccaagc ttccccaaca tgcaagtaat tcaacattca acagcacaaa ctatcacagc 240
caagataaca cggcaaaggc agaaaactct gccataacac caaccacaat cacagttttt 300
ctcacttaca gaccncacta acaattcctt c 331

<210> 32837
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32837

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ggcttgggta aaatacccta cttagtgta tttcncctt cgaaccgtgt ggaagtgtga 120
ttggtttgcc aaccgcctga ctctttcttg aaggggtgatc ctaaaacaac tacctactcg 180
tgtaactcta agaaggaagg ggattatcgt ggacgatggt ggggtgtgttc ttttcggtga 240
tgatcacgac gaatcacaac actcgttgat ggggtgcacc ttctcatacc tggatctggc 300
gcatcaccta tcaattggtg gtgtatatatt gggcaagcta gaatagtccc acatttcaat 360

acatgcaacg cgggtgtagtt tgtcagcggg aacaggacgc ataaaactga ccatcccatc 420
tcgtcctggg tcgatcgact cttttgttaa acacgaactg tctacttttg cc 472

<210> 32838
<211> 318
<212> DNA
<213> Glycine max
<400> 32838

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aagacaaaag catgattgat cagagaaaca tctctatata catcagcctg gttgttacac 120
agacctaaca tctttaccta ctactgtcag tcttacgggt tttagcctag acttagctta 180
actctgctct aaatcatcaa ttatcaatgt ttctttcaac aatgccttat ctctgaattt 240
aaccctatct aagactactt ccctgagttc gatactcgga ttcacccgct ttaattttta 300
atacttgacg atccgatg 318

<210> 32839
<211> 395
<212> DNA
<213> Glycine max
<400> 32839

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ctgttatatc catccacttg tccacactaa cctaaatcac aaaaacatac atgtgtcagt 120
catgtaaaca ttattttataa aaaaaggcat aaacaacata ccttggataa cccatccaca 180
tgtagggaca acctcaactg ttcaaattct tccgtgccac caaagagctt tatgtagtct 240
tgtgaccatt tgccatgttc tttaataaat tcattgcgca tcagtgccca agattcttct 300
cccatatcga acaaagcagc aagtgactga tatccacagt taccatctgc ttccacatca 360
ataatgtcct caatgaaacc ctgtataaat ggtgc 395

<210> 32840
<211> 194
<212> DNA
<213> Glycine max
<400> 32840

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 tgggtggaatg caaccttcgc ttcaccgctt ctaggtactt aacacccgcc gttaggcaat 120
 ctgtgaagtt ccacgacatg tctgaagtcg aaaggaagca ttgttgacaca atccgtatag 180
 ttctgcaaca ttcc 194

<210> 32841
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32841

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 acggcactac tttctagtcc aaaaagtaag ctagccgcgc cacaacatag atgcgacaat 120
 atcccaagct ccccgaaaag aggttaggac ggtgatcgct cttaccccag aggcaccatg 180
 tggatggacg gttgctctac ccttgacggg agtccagaac tttcccgaat ggtagccaag 240
 ggccaaagcg atgacagaca cctactcccc cccgaaaaat atacggggtt ctcgctattg 300
 taacgtatga tagactaagg cccacgtaat agaaatcgta gaaacttggt gacgctcaaa 360
 cctgacaata tacttctttt gaataaatga gttgtccatg ttctactcaa acctggcaat 420
 caatct 426

<210> 32842
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32842

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 caaaggctgt tagattcaag gaggtacctt tgggatacca cacacctaca tcgggtgtac 120
 ccatcaagta tttaatggtc cttgaaacct gccaaatcag aggcttgaaa gcctgttata 180
 tttaaagagg tacctttggg ataccacaaa cctacattgg ctgtaccctt aagggtattta 240
 atggtccttc taactgcttg ttaatgagat tccttacgat tcgactgata tcttacacat 300
 aagagaacac ctagcatgat atccgatcta cttgtagtac gtagagagtg atccaatcta 360

cctatatatt tgn

373

<210> 32843
<211> 126
<212> DNA
<213> Glycine max

<400> 32843

acaaacatta tgacctcctg caaaatcacc ctgatggaga tcaccttaatt aatggctacc 60
ctcacacaca acgcgctgtc ttcttcaa atgttgccat aacatcatcc tcacaatcac 120
acacac 126

<210> 32844
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32844

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acatagcatt ttgaccaaaa ttacattgc atattttgca ttttaagcctt agtcttaact 120
tgttttcatt gttttccctt tcttttagaa cttgttatgc gtgtcttttg ttgttagcat 180
aagttttggg cttggaaaca ctcaagtc attggaagacat caaggaatgt agccaagagt 240
ttttaaggtc caatgggtga attgaaaaca atttgggaga gtctggaaca tctcatggcc 300
tatgagatcc actgtttnta aacttgtaaa tctttagag catctcaagg tcgtgagttg 360
catctcacac atgtgaagtc gacagcataa ca 392

<210> 32845
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32845

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gggttgcttt ttgtggactg gcggggactt gccgagcgct ctaaggttct cttccctct 120
gcgtataatt aagagtcacg ctttttgatt gtttactgcc tccatataat tcttcgtaag 180

tcactaaagc ggtgatccat ctccacacat attttatcaa tagcaacata naaaatctct 60
gcacggtaat gatgaagaat agtgatagtc ctcccttctg ctcttgaacg accccgaact 120
ggtatttcgt catccatatt tggtagcaga atactnttag caacacaaaa tccttggaca 180
tcggcaaaaa aattattcca gccactctct ctcatgtg ccaaccgagc ttgacaaca 240
tcaactaatt ccatggcatt cacaatatta agatcttntc tttgcaatat atttgaaagc 300
tc 302

<210> 32849
<211> 124
<212> DNA
<213> Glycine max

<400> 32849

tgaatatata tatatatgaa agctttttgt gaaatcctta agcttttaaaa gaagtaacca 60
tgatagatgg actctgttat cagttatgtg tataagggga cccaaacaga acacttgta 120
cgat 124

<210> 32850
<211> 178
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32850

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atattatgca tgcagctaag aagatgtcag ttcttcaaag tggggatggt atgatggaat 120
cccaagaagc tctggatgtg cttggctggt tctcgtatat ntatgggaga caataact 178

<210> 32851
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32851

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ttgaaccctt tntcacttca cttctcccc tatttataga caaaaggcgc agaagacgac 120

gttagtctct acgtgctatc atgctntgag tcttagagat agcanaagaa agttttaaag 180
 tgcgggacca aatgggtccc gcatgtcatc gggcccgccg cctctggatg acanaaggcg 240
 cagaagagga cgtagtctc tgcattgctat catgctttga gtctt 285

<210> 32852
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32852

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 ttaacaagggt tcattatgag tcttgattta ggcattgtca cgttggtttt ttgttacttg 120
 gtgatatatg atttctatca atacttcttt gcatgtcatt ataactatca tatntagata 180
 gctntttcat tacagaggca atgtagtttt ggaacatcaa ttttaatgggt tcctcttggt 240
 gttgtcctat gttgtgtcan cgtttaacgt tagattaana attaagccca attatata 298

<210> 32853
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32853

gggcctttcc aagtggaagg ccttgaggga aagaggtatc cctatgttgt tgtggatgat 60
 ttctccagat ttacctgggt caactntatc agagagaaat cagacaccct ttgagtattc 120
 aaagagttga gtctaagact tcaaagagaa naagactgtg tcatcaagag aattaggagt 180
 gaccatggca gagagtttga aaacagcaag tntactgaat tctgcacatc tgaaggcatc 240
 actcatgang tctctgcacc atcacaccac aac 273

<210> 32854
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32854

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 aggaagaaga tccaggtgaa ccaccttcac ctctaccata acaacaagat caagaactag 120
 catcaccaga gtttactcca agacgagtaa gatctttggt ggacatgtat ganacctgta 180
 acttggtcat acttgaacct ggaagctctg aagaagcgtc aaagcaggaa gtatgggtca 240
 agggcaatgg agaagagata canatgatcg agaaaaa 277

<210> 32855
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32855

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 gaagataatg agagagagan agtggcatga aaaattgaag gaagaaaggg agagaggttg 120
 aactttgaag tgtgtctcac aagactctca ttcacatcanag ttgtgacaag tgttacacat 180
 gcttctatct atagcctang tctaacta aatgaaattc acttgtcttt cattntatgt 240
 gaaactaaga agaattattcc aaggatatgt canaggcatc ttagcatatt ccaagaatat 300
 gccaaaggca tcttaataata ttctcttttag atgtcacaag aataaaaagg gtgactctag 360
 cacatggaaa aggaatatgt cacaagaata ttctaaag 398

<210> 32856
 <211> 192
 <212> DNA
 <213> Glycine max

<400> 32856

aagtggagaa gaacgttctt atacctgctc gactatctca agaagaagct gaggaagaag 60
 atccaggtga accaccttca cctctaccat aacaacaaga tcaagaacta gcatcaccag 120
 agtttactcc aagacgagta agatcttttg tggacatgta tgaaacctgt aacttggtca 180
 tacttgaacc tg 192

<210> 32857
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 32857

ctcgtattgc atcaccattg gtggaggtct accaaaaact gcttgaaatg gtgtcatacc 60
caagcttttg tggaaggaag tattatacca aaattgagcc caaggtagca tagtaacca 120
actcatagga tgatcaaata caaagcacct tagatacatc tcaaggggtct tattaagatt 180
ctcagtcagg ccattggatt gagggtgata tgaagagctc atggccaatg ttgtgccttg 240
agctttgaat aattg 255

<210> 32858

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32858

cgcccgaccg ccacctagta ccacatgtga tgggtacccc ataatcctac aagcttgaga 60
tgaggaagtg ttgaaggggtg aaacttcctg ctnttattgt tgaccacaga gtggtacctg 120
gagatatgtc gcggggggtca ggagaccttg nggacgtcag gtgggggtgct attgccccaa 180
accaagcttg accaatcccg acccaacccg ggcatagtcg gtcagtgaga acctgtgatg 240
tacctaaaca ggcgagctcc tggcagt 267

<210> 32859

<211> 384

<212> DNA

<213> Glycine max

<400> 32859

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tgtttgatat ccactcgaca aggtttgaag taaaggaaac cttcaatcct ataacgcaac 120
gtggcggaca aaagtgggca gttaacttga atgaccttta ttgtcaatgc ggaaggtatt 180
ctgcgcttca ctatccatgt tcacacatta ttgcaacttg tggttacgtg agcatgaact 240
actaccaata tatagatggt gtttacacga atgagcacat cttataagca tactccgcac 300
agtgggtggc tcttggggaat gaagcggcaa ttcttccttc tgatgaagca tggacactaa 360
tcccctgacc caactacaat tcgt 384

<210> 32860
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32860

tatccttatg gcttgccctcc ggacttcaact ccccggtgctt tcccgaaga attaagccaa 60
 gccctactt tcgaggggca gctccacact tatgacgact atctcgggca agacgatgag 120
 gaaggagata cccatctcag tcccctgctc cacctcanag attcgtcccc ccatgaacta 180
 cccaaccaa acatagtccg ccatattccg gcttcaccca caccgtaaa agaatctgtt 240
 cccttcgtgg aagataaggg aaagattg 268

<210> 32861
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32861

acactcaciaa gcnnaaagggg tggctgtgtc acacgtatat taactggaga tgtggggccc 60
 cgggtagaga aacaagtttt tggtttacct tggaatcctt aacctaaagtg gaggtggcca 120
 caggggatgg tgggtttatg cgcgcttctt ggatgaagaa agcctgggtg gcaccattcg 180
 ccgaacggca cctaataaca catgtgatgg gtacccattt attcttacag cctgaaatga 240
 agaagtgggtg gaggggtgaa cctccttctt ttattgggtga ccacagaatg gtaccttgag 300
 atatgtcgcg ggggtcagga gacccttggg acgtcatgtg ggggtgctatt tgccaaacca 360
 acttgaccat cccgaccac ccggcattag tcgtcatgaa acctgtgatg tacctagcgg 420
 cgagctctgc ngtcacagat naaggatata gaccaagca agatgctgg 469

<210> 32862
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32862

tttgcataa accaccgtga gtggagttcc ttctctcttc actcttctct tcacacccat 60

<213> Glycine max

<223> unsure at all n locations

<400> 32865

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gaanantggg tgtgctgata canntntnnn cnnngacaac cgggnntata tgggaattgt   60
ttttttnaac cctnaaacgg gcgggttaac cgatccctgg cctagaaaat ttctaagagt  120
acctactgaa ccaagaaccg ctgtgatata acaaattgaa atcgccaaac tgaaaatgca  180
tgtttgtgcc agtgaaaata ctagaatcag tcaaaagggt aaaatagctc ttaatccaaa  240
ggatcgatcc taatgactga gttactgcct gcacaagcaa ttaactttta atcatgtgat  300
atcataggac taaatacgag actgtatag                                     329

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<210> 32866

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32866

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attaacttgg gtccctgtct tcatgatttt taagtccact gtgcaaagtt gtttcaagtt  120
tggtctttgg caagtgcgta caaagatatt catgaccgcg tgattaatag gaaagattca  180
tcacctatag gatatgagga gactctnggt gtactgctaa atagctgatt tcttaatatg  240
atgcaaggct aactcaatga tgtctactcc aatatcaatg atatacagtc ttggaaattg  300
tgggtttctg ctctaaaaaa ttcagatatt gaaagttcta tttccttaat atcttggttc  360
tatagag                                             367

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<210> 32867

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32867

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cggacgcgcg cgaggcaggg gnnnnnnnagg gagtcttacg cttaganccc ccantntntn   60
ctnanncnnc ngtcctanna tgagggganna gnaggaggat gcnnaaatat cnttttgtac  120
aaacacacga gacaccgtgg tgggggcgct aggtgccagt tttcctagga aaatggcggt  180

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cacacacctt ttcacacatg tttactgatt aaaattataa aatcgттаат ааатсtсtta 240
aactacctgg caattataaa gaaatggтсc aaaaaaata ttaaaaagtt tgttcctata 300
aatacagaat аатсtttgat tattgacaaa tgaggataga аатсctgagt tgaatttctt 360
ttttccaaat ttaaaacaag caagttgttg acctcaatgc tttaatgggc taaggggtgt 420
gggaaggaat taaaagatct tatgccaata caagagggtt gatttttcaa acatc 475

<210> 32868
<211> 499
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32868

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ggacctgaag gattgcagcc tatactanat ctttcttaan ccacacacac actgagcaag 120
tagtcatatt cagtccatac ttccaatcga tcatgctcag tatgatgcat gcacctaacс 180
tcaactctca tatgcaatgt gttaccatcc ccaaaggata tagccctaag cgtgtccata 240
tgacactctc acttangaaa actangcaag tagtgttgag gtcaccoggt cgtgtacagg 300
taacttcccc cccccacag tgatcagcct gaatctcaag ggagttccaa accgagtгac 360
atgcccccaa gtacaagtat tccttctcat gagaaactgc aagtacttac tggacaagtt 420
tatactatтт ccатgtcata tgaagtatga tacatgtggc accatcaatg cactgaccag 480
gataattaa tattctaag 499

<210> 32869
<211> 336
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32869

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gtcaagggca acattttccg ttccaggгсc aaacccctc cctgtgcacc tctttgactc 120
agtctccact accatatctc ttctctacat ggtcccataa tctttagctt cacactcagc 180
aacatattaa cacacagctt acagcagcaa cagaaagcga actttgtaca acaccaaacс 240

agtttcacta gaccatacat tctcatcatt gtaacgtgac actcaattac ggagtgatca 300
tacccttgga cgggactaca aacgcaaata ttgctc 336

<210> 32870
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32870

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gannnggata atagaaatgg tttttttttt tttngngaac accttgatat gggagggggn 120
agtgggtaga ataaaatgag gatgggttagg atataatgna angnatttgt gggatgaatg 180
aaatttttga tgtgaanatt taaangatcg gaatatataa ttaaattgtga tgggtattna 240
tatttttaga agatttagat aaggaaaggt tgaaggggtga agagtnctgn tatgattgat 300
gaggagaaaag aggtggatgg agatgtgaat agaggagtgn gagaaataga agangtgatg 360
tgtgggtgata ttgaaaaaaa ataatttgtga taataaagaa gggattgggt attattggaa 420
ttagtaaaat gtgtgtatgt aataagtgat tgtatggaat ggaagattaa tgtatatata 480
gtangaagat ggaagttgtg 500

<210> 32871
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32871

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aatgcctat ggcgcgctga gcgagagtct ccaaactctc acttctcttc aagctttatt 120
ctgagtttct gcaataaata taactccaaa acattataaa ttcatacaatt aaaacaccta 180
ctagacaaaa acttatatga tgccaaaatc ctacttattt acacaaaaag aagcaataaa 240
aagagggaaa atctgacaat ctatattgac tcaattacag gtatacttat gcacaacagt 300
tatcaaacac ccccaaattt aaagcttcgt tttccct 337

<210> 32872
<211> 158
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32872

tttacaacct cagttccctt cccttatcaa tcgatttcct caaagcagta agatatagat 60
cgtttcaccc tatttatcca aaataccana aatggataag aaaggatcat atgttgagtg 120
acagggtgag caagggaggg actaaaatgg gagcccca 158

<210> 32873
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32873

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tactttttat cnnncnccctt ncacttgggt ctttttctgc acaaatttat agcttttcac 120
tggtgatgat catgaaaggc ttaacncctc tatcaatccc aataatccac ttccaagcaa 180
ggttgaaatc tgagtattgg gtttaataatt tccatttttc attaattatg aatatgctta 240
agactgaaaa aanaaatagg gttaggattc ctttcctaatt ttaaaactta atcacaaatt 300
gtttgaatga tattcaaacc taaattgtaa tctcaatgaa tntaaggatt aatctgattg 360
aactaactct aatgacattg attgaactct tacatcttga tcattctctn tagaatngtg 420
ataatttatc tgcattgggc tagtgaacta aaaatgatga g 461

<210> 32874
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32874

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gtatataaca atgttatacc aaactctata tattctgttg tgttttgaat aggtgtgtat 120
gagaatgatt ttttagacat gtattgtgat tctttagttg ttcttcattt ttctttcaca 180

taacagaccg ttccgaacga acataattat ttggaatttg tatctctcat atttgattcc 240
 atttgcctca agtactangg cctgtgnntt gctgaaacta acataattgt tttgtttgct 300
 gatatttttt tggaggccat tattgagaca taattaattg aagcatttta c 351

<210> 32875
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32875

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 gctcgtcatc gtgagacatc agaggctagt antttaataa tgtgtgtann gaaaaatcac 120
 caaatggata gagaaaaatc tataatcata catcttaggc aaataanggc ttgctacccc 180
 caacaataat ggctttttga ttcacttttg acattgtgat tttgaaaata aaaacccaaa 240
 gttattaggc attttatcaa catacaactc ccactgatct gcaaaagaaa tatgagtaaa 300
 aatggaactg cgacaaaaac aataaagaag atgatttctc ttatcattcc agaaagaaaa 360
 tgangaacca ctgcaacaat tttaatcct atggacatat acactatgaa attacagtaa 420
 ttaagttata aatgcgatga attataaaag atttcn 456

<210> 32876
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 32876

gtttggtggtt ggcacattcc catcacaatt attttctggtt ggattaagtg gcctcagaat 60
 aattaagaaa ggggagttga attaattatg aacgtgtctt gactaattaa aaaattatcc 120
 ttcttaatgt tactagattc aattaggctt tactactaaa ctatgagaaa gtaaagaaca 180
 gaaacgataa cttagacaaa agtaaagcgg agataaaaag tacacaacgg atagataaag 240
 agtgtaggga agaagaagac acacatcata tttatactgg ttcggcctca acccggtgcc 300
 acgtccaatc t 311

<210> 32877
 <211> 267

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32877

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aatcataaca tcttgagacc atagttgacc taagtgaat ataaaaagct tcacacttaa 120
tgagtgacga ctccactttg tgcaatctat gctatcgagt agccactta tctaataaat 180
ttgttgtgca aaggatatgg ccagattgct tgaagaacta caacaactat atcagggagg 240
catttcaact tagaagtgga acaaaaa 267

<210> 32878
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32878

tgcttaatca atactatgac aaattaatga tggctatctc ttacaatcct actatggtaa 60
tatatgctgg gaactaggga atcctacttt tcaagtcttt tttaaatgta tttatatgag 120
aatttaacat taatatttta aaaaaaatt caagactcca taggaactac aagagaaaaa 180
aatttcccgat gagaggaatc aagaacaggg atggngagtg aggtagtatt ccccgccctg 240
ttgacatccc tacattgaac taaagtgata aaaaaagtaa gattataaat aagagtacat 300
ttataaagat actntatact ttgggtttct tatgttacac aactcataaa gtatacacat 360
atgttaaatg atg 373

<210> 32879
<211> 198
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32879

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ttggaccaac gttccaagta cagctcactt ttagaggatc actaacactc gacaacatga 120
tcgactaatc atgatgtatc gaactatgta ctactgttac actatccatg caactcagta 180

caagtcacga aactatgt

198

<210> 32880
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32880

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taggagtcga cctgcagagc ttgcaagcct cttanccatt caagaataaa ccagcgcatt 120
ggatgatggac tgtgaaaggt ttgaaaacct taactccttg aaagcgcttg aatgcaatcn 180
aaacactttc agcaaaaaaa gaaaatccat atctatgaaa cttaggggtcg ataantggaa 240
tgagaatgag aaaacgggttt gagtaccgt atcgtgctgt ttcttcggaa agacaaccag 300
tgtgcgaaga aagataangg agnnggtgga attggtgctt gtggatgcgc ctcggtggct 360
ccggaacgat gaagctcttg aagccgaagt ggaggtggat gaacccttac gtttctttga 420
tgattctacc atatgatngg agttttgcaa atggaatcgg tganataaac gaaaatgaaa 480
aagaagatat tgcagtaccg agtcgattga tgagaaatga tn 522

<210> 32881
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32881

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atattttttt ttaggcctta cctgggaata aacaacctat gctgatgtac cgaattgtgc 120
accaaagtac cccaaaggca aagtaagccc atttgtctcc aaaggtgatc ctaggtggca 180
atgggcctta tacaccttga taagcctttt aatgataacc caaacatatt ttggcaccca 240
cttacaagat gggccttttt aacaactaac acttaaattg aataagtgtg catttatctc 300
tcattggcat gatcactaca acttgacttc tctgaactgg ctgatcaata tatgacacac 360
tgtgagagct ctgcttcttg ttacn 385

<210> 32882

<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32882

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gacatacttc cccnnnnggc caacacaccc cgagcggcgg ggggatatac gttcttcaac 120
acgggtccaat cnccggtccca acaaattacg catatgaaaa attggtcaat tggataccaa 180
caacgtggtc aaaccgggcc tcaatttaca tattccgggtg cgcggatccc cctgtcttcc 240
tcgggtctct gataccctga aaagaaaccc aactaaatcc gttgttcaact attctccccg 300
gccgggttatt ttcttgcttc cggctgtctc attaaacggg caaggcgata gcctcgtatt 360
catgacaacg ttatgcctgt tagtggtcca tgagtatttg acatccttat catgttgcgt 420
tttataaact gcattatgca 440

<210> 32883
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32883

aggggggagag gtgaagtaaa aaagggttca ccccttagg cacttctctt tctctctcga 60
aatagctgag gaaaattagt tccgtgaaga aaatccaagc cgaggtgctt ccgtaacggt 120
tccgtgagta attatgcgaa gattctcgac cgttcttcaa gattcatcgt ccgttcttcg 180
ttttcttcag tcttcaacgg gtaagtacct caaaccaagc ttttcaattc attctatgta 240
cccgtgggtgg tccacattnt gtttcatgta tttttattct tgttntcatt taacttntat 300
accactntt gacgtgctta agccatttat ntaagtcatt tctcgttaa tct 353

<210> 32884
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32884

cgggcacacg attttgattn gctannntnn naccacacnc nnnnaacaaa gcggggggnnn 60

attactgata tgcattgtagt ataacctgca nggtctaaact n 401

<210> 32887
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32887

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cgcagaccgt tatgtcgaga nntnngctgg ccttgtagacc taggtttgat tacactctaa 120
ccacttaaag gtctgcttaa tataggaatc caagggaaaa acaattaaat aaggtaacac 180
cacactatga aacacattgc aacatataat taatatgtga agtgactctt cttccatcca 240
taacaatgga ttgatagtgt aatctgactc tagtttctct gaattgaata ctaagtgttt 300
gacacctatgt gatatatata tgagttagca tgatgctact cactgtttta cctgaattta 360
tcagggtgaa atacactaag acacatgagc tgagatatgg agtacactat ctg 413

<210> 32888
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32888

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ttaaggaacc gagattcgag tactttctact cacattcctt ataggttggg ggcattgtga 120
ctgttcaatc ctgggagcct tcttttagaa tcgcataacc gagtaattga gaaattcaca 180
aagagatgct ccacttaaag atcaaggatt gagtgatgca ctcatatcaa cttctcagca 240
tgcttanaac ttgaggggag ggggggtggt atctgccctg caggccccta aaaaggagat 300
cttgatctca acttgatcgc attggacctg gcccatacg agaccaccg 349

<210> 32889
<211> 197
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32889

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tagcctcctt ctacatggaa gggccagctt tagcctgggt ccaatgggtt tcccgaacc 120
accaactcac aacctgngct agttntctcg aagccattga ggctcgcttt tctcacttcc 180
catatgaaga cccactg 197

<210> 32890

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32890

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aagtttcgtc acacaccgaa atcaatggaa catcgtgcat attaaggagg tccgtacatc 120
cgtagtcaaa agggatgatt atgtatcgca nggtcgtata ttcngaagaa acagtatcgt 180
acaaattcta gtttcgtact tacaaaaaag atcccaaaaa agcagagggg tgtcttataa 240
atgg 244

<210> 32891

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32891

aggnagtcgt gtccgtgaan ctacggcggt attanctcgg ccccgtcac ctttgagtcg 60
acttgaggca tgcattctct tantttgggt ggnnaganna atgggctggg ggggtgggaat 120
atatttaatt ttatcctcct aaataagtgg ctcaataaaa tgtctaacct gatgtattta 180
ccaaatttta cctctccatg atgggtttctt gtccctatcaa cctctataac ctcgggctaa 240
gttggtttat ataatttgc tcttgagtaa tctcatcggt tccttaaaaa tgcttacact 300
attgagtaac tccttgntgt tagtcttggg atctattcat ggtgttaatt cttgtacgag 360
tttaataact cttgtacttt aattaaacct tttatgttat gcagagatga tatanaatgt 420
ggcaatcatg ttttttttg tcctttgtgg 450

<210> 32892
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32892

cggggcaggt tctnatgtac nctgngacac nttttnactc angctcacta gactcggggtt 60
 ccccttaaaa gaagngcggt tagttttgtg gnnnnnnnnng ancnnnnngg ggggggggga 120
 ggcggaaaaa ngncgcaaac caccaagggn anaacgacg agaaaccac gctacgaccg 180
 gcattcccat acagcgaagn ancccaccca cccaacaatg gcagtactta gccataaaca 240
 acccttggtt ttacctacca cccaattatt cacgaaggcc attcctatgt gcaacacaaa 300
 gcttgtctag cgcacttcca atgatgaaca ccaccttttg tcacaacca aagctcaacc 360
 aagaaagaat tttgctcgaa aagctcgtga attaccccaa atttcggtgt ctatgctact 420
 tgtccctatc tactgaaatg catggtggca taccgccg cg ggggctaccc c 471

<210> 32893
 <211> 217
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32893

ttttaaaagta actctccaaa aataataatt aattttggca aaaatataag gatatacaat 60
 gtgaattaac atgattatct catatttaag gtcagatttg aatcttnact atttgattan 120
 agatcaatat cactttcttt aattattnta tcatttaatc cctgatatat atgtactatn 180
 taacccttac tatataaaat ttacttaagt ctcat 217

<210> 32894
 <211> 108
 <212> DNA
 <213> Glycine max

<400> 32894

ccctatagat ctgtccctct ttggtttgta ctattcacta ggctgatta ggccccagct 60
 ttttaagttag taccctttca aatttgcttc tgcagctctt tttctact 108

<210> 32895
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32895

cggcatttaa gctaagacnn cnggatctac ttactacct accgangcgg nnnnggtaga 60
 gacccttttg tttgnttnan gaactctaca cgacggagtc tgttgcttgc acctgattaa 120
 cagggctaga taactatagt gctagacata gtgtgcacgc gtctagtttc tatgatgatg 180
 atcttataaa ggagtataaa tgacgctaac tacaacaaga gacatctgcg aacggagctt 240
 aatgtaaatt attccaaact cagcagacat cagtcgtggt attttttgtc cttcacatat 300
 aacacgtgaa taatgtcata tagagaacaa ccctagttgc atcaagtatc ttcgtgggag 360
 gagcgaacgc ttatacttat ttgtattcgc attaaaatgt tcatgttcac tgtcctatga 420
 tgcaactaaa tataccttcg tttcgaatcg tgatgctcaa tcttttg 467

<210> 32896
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32896

ataaagttaa agtttgatct tgcttttagtt caaganaacg attttaatat aagttagatg 60
 catgagggtga ctaatgtaag aaattatattt aatcttgagg agggttgtgt taggctttcg 120
 acagccaacg taaaactnta tcgaatctct atgacatgga tcaattacgt aataatgtga 180
 atgctaggtc gttgccccga aaccaccgcg ctgtatggct cgagtacagt gtcaaa 236

<210> 32897
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32897

agggatgttt gggctgatta cagcggnatn attctagtag ccgagcttcc ttagagggac 60
 ctgagggatt gcatagcttt ggttattccg ggaacccctt ttagtgggac accogtccac 120

cctaaggcac ccacccatag ggaacctccc caagttccaa ctccgaacac gactcgaccg 180
 ggcgggtatct ccacacgaca ggaactttcc ctccgaggcc tttgccggat tcaccccgct 240
 ccaatgacgt acgaagatct tctaccattc ctcatcgcca atcatttgge cgtggtaact 300
 tcccgaaggg tntcgaacc ccctttcccg aagtggatg accctaagtc aacttgcaag 360
 taccatgggg gtgatccggn gcattccgtc gaaaatgctg gggcttanta caangatcac 420
 atttaatgga tgctngatgc tgactttcac aagatcggtc aatgtaggac can 473

<210> 32898
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32898

cgggtgttcc atgtctcact tattctcgct tcttaaagt gctggnaagc catatggnt 60
 ttttttcttg tgccagccta ccttattccg aaggctcggtt tgatgttatt ctaaagcctt 120
 tgatggatga tttggagaag ttatggagtc gtgttttgac acatgatgtg ttcagggagc 180
 caaatttgat gagggacttt aatggactcc cttactattg catgggtgtc ggggtgtggaa 240
 ctcatgataa atttttttgt ccgctttgat ggagcataag aagttgttac attacaatat 300
 gagagggaaa agtgtcattt gactcgcatt gtaggttctt accagcattc attcttttagg 360
 actaacaaaa accttagaaa ggggagaaga tatgatagct ccacctaggt gacacctatc 420
 agtgtgcatg agtaggaatt gcaaaagtc 449

<210> 32899
 <211> 200
 <212> DNA
 <213> Glycine max
 <400> 32899

gctaaaatta gggggtgagg tccttttttt aacatcaa atcatggagt ggtggaattt 60
 gtgtggacca aaaaaagt attgaatgta ctttctcgaa actgttgata agctcaaaat 120
 attgaatttg tgtgaacata taattgcttt ctttgtgtt ctgctatgat ctctgctttg 180
 gtatgtaaat ccctaacatc 200

<210> 32900
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32900

aggctgcttg ctgtatcagg attatataac aggggacatg gtatccgtaa tataacattt 60
tccgtngaca gcctaccctg ggggtgtccta atgcatcttt tttttttacc accacaaacc 120
agtctgggtg gaatctggtt gcaccaggaa aacagacata aaatgggaga acgagaaaaa 180
aaggaaacca caaaatgcga acctacacct ctacatatat gcctgcatat ttgatcaatg 240
tacactacac gttttcctat tatttatgtc tacctgctca ctggattaat cggaatgtac 300
tacactacta ctgtgacgca cgcatagatac ggattttgtgt 340

<210> 32901
<211> 376
<212> DNA
<213> Glycine max

<400> 32901

agcatatattt agaaaacctt cctggagAAC gctctgggag aaaccttcct ggaaaaccta 60
aacctaacct ccacacaccc cttatattag ttaagctcac ccccatacca aaatacatga 120
aaatataaaa aaaagtccct attacaatga ctactcaaaa tgcctgaaa tacaaggcta 180
aaaccttata ctactagaat ggccaaaata caaggcccaa aagaagtaaa aaccaattct 240
aacatttaca aagaagaatg gatccaacct tgacccatgg gctcaaaaat ctaccctaag 300
gttcatgaga accctatggc cttcttttagt agctctagcc caagcctctt ggagtcttct 360
atccaatacc cttggg 376

<210> 32902
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32902

agggtcagta agctgatatc gaacttanta attnagctaa cactccgaa gggggnnntta 60

tctagggaac cagccatttc gganaacctg gccaggcggg ggggcttata aacttgacac 120
 ttcatttggg cagggctact accccacaca caaatgacct cctccgaccg gggataatct 180
 cctcgaacct ataaacttac ttaccgcga gaaggctcaa gccttggggg cttatttatt 240
 ggttattggg caacaagtac atgtgtattg atcctgaact cctttcacac ttaaccacac 300
 aatgacaaaag cgggtncctt tgaaaactat tcccaaatgg gttttgtca taacctcgga 360
 tggagttaat attgattaac caccaggatt tccccacg aaaaagatat ttatgggagt 420
 atttgagaag aaaccct 437

<210> 32903
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32903

atttaggatt ccattttcta gtaccgtggc caaaatgaac tcctgcttcc atcatctctt 60
 ccaagattat gttccaatat ctttntgtca tttatattta tccccacact tttctttcat 120
 ttcanaatcg anattctata aattttttga aatgaaagaa agagaccgga tatactgaaa 180
 tagaaataag tgttccaaag gaaccttctc ttctaccgaa gattggcctt tgataaatga 240
 tcnnggccat ttttctattt aataattaat atgaatattc tctttattat cttt 294

<210> 32904
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32904

cggggacagg ttccagtagc ctacgtgaca cttacttant caagcatgac cggngngag 60
 angcttagag gaaacacttc ctenttgnnn nccncacgc cggngaagcg ggccagtatt 120
 tatcttcta acccaaaagc catgtggtca nggtactaat cgctgcctt ggcagaatct 180
 attgtgggac attcaagggt acaccaggt tctccgcca tgtgattcta gtgtgcattc 240
 tctccctgtt caacagtttg cagttgcatg tctccttca aaattttgag agtatcctga 300
 ctggtctata ctggggcgtc tctcactgg agctcactgt cacctctacg tctgaatgaa 360

ttggaagga tttacaatgt tgccgggtgc ggcacattgc ccgggggagg ctaaggggca 420
agcacagcaa c 431

<210> 32905
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32905

agggtttgan cttgttaccg cnntcaatct agcngtcact ctgctgcgcc tgttttaaata 60
actttttatt tttggaccag ncaccttagg ccccgatgg gtgaattcag ccttttctga 120
aatcattttt ggtgggggtg gtggccaagg tgggtcccctt tgatgccgaa actgcttttg 180
gtgataggga gccttttggt tactgggtgt gggtaaggag aggttgtcat tgctgataat 240
gacttggttg gtggcggaat ctgctgttta gaatggaatc acacatgggt tcttcctctt 300
ctcaccctct tcatttgccc cagtntttt gcatttatca aaacatgatg atccgatttg 360
ctcttttaaa ccacttcga tcattttgca ggaataccca atcacaagc ttgagg 416

<210> 32906
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32906

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aatgtacatt gatgtctgta tatatggacg tcgctnttgc aatnttgctt aaaagggagc 120
gtccactggg taaacctacc tttccaatgg ttttccttcc cagaattggc cttgaggaag 180
cttgccctcaa agatgtgcag gagagaccaa ggccggccgaa ggaactagtt ccgccccgga 240
gtacgacagt caccgcttta tgagcggtgt acaccagcag cgcttcgaag ccatcaaggg 300
atggtcgttt ctccgggagc gacgcgtncg gctcanggac gacgagtata ctgatttcca 360
tgaggagata tggcgccggc ggtgggcacc actgggttact cccatggcca agtttgatcc 420
agaaatagtc cttgagttnt atgccaatgc gttggcaaca gaggagggcg tgcgtgacat 480
gagatcctgn gttatgggtc n 501

<210> 32907
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32907

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gagtacgtga gctcagttgg aggtgggcaa caggggatgg tgggttatat gtgatttgtg 120
gatgtggaga atcgttttgc accatcgccc gaccgccacc tagtaccaca tgtgatgggt 180
accccataat ccgacaagct tgaaatgang aagtgtagaa cgggtgagact tcttgctttt 240
attcgttgac cacagagtgg tgcctggaga tatgtcgcan gggtcaggag accttgngga 300
cgtcatgtgg ngtgctattg cccataacca agctttgaca atcccgaccc aaccggggca 360
tagtcagtca gtgagaacct gtgttgta 388

<210> 32908
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32908

aaaaccctta ctggcattag cctaaaaacc cttagccggc ttaacctaaa aattagcact 60
ggaccgaggt ggatccaaaa aacccttagc taccatcgac taaaaatagc ctggctgatg 120
tcngcaaaaa aaccttagtc gacgtcaacc gaaaatctgt agccgacatt ggctaaaata 180
tcctagccaa ggttgaccga aaaatcacta gctaatttg actaanaagt agctctaact 240
aatgt 245

<210> 32909
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32909

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ccttcccaat ggtngtacct tcattttgcc ttcacaacac cgacgacgac gaccacttta 120

aaggtgacga acccacggcc caccctacga tgtcaatgct gatagaagga gagtgacact 180
 taaaaatgga aaagggggccc aaaggttgat cgtgttcaag tgagtgggaat gagacaaggc 240
 ttgtagaagt aaaagggcac tgattggatc ctcacgtacg aaaaaaatng caagttgtct 300
 gataaggatg agtgacattg ttcttcngtc tgaccaagga atttaatttc aaatgtaaat 360
 acaataaaaat ttgatttgat acttaacata aatagatatc tataatagata gataatttga 420
 aacaaaatca attn 434

<210> 32910
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32910

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 tataaccttc attattttta ggattttttt tgggtaaaat gagaaaaaga taaaaaccaa 120
 aactttctta atacaactat gtgatgcgaa aaaacatcta tagcaaagga gagaggaata 180
 tcacactcct caatgcacac gaacataatt ttaaaaaang aatcagtcag atattagttg 240
 aagtgcata tccaatttct atagcttgat aatntcagtc ttcaaaaaaa gcccgaaacg 300
 aatcacatca canatataat ttcactccaa agctgataat ttatttntat cattatTTTT 360
 tgggttagcat gctacatatt n 381

<210> 32911
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32911

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 tttgatgggt aaaaatatatt cttctcaacc ttattcctta ggccggattc tttccttaaa 120
 ttccccctcg aaggttgac tttacttaac cacaggtgct gtccaaacct attgcaagaa 180
 gggaatcggc acttttaaata cttcttgga ggccgtttat ttcaaaactg ctccggaccgt 240
 cgacaatgga atggtggata accaaaaaat tagtaaacc gtctaattgtt gcttgtaacg 300

<400> 32914

tcaactttga tcatttgaaa attaaatctt agatnncaga gctctnttag agcacaaaaa 60
ttcgtgctct tctcttcctc tcccttcatt catctctttc ttcctccaag ctcttatcca 120
tggcctccta tgggtggtgag cttcttctag actcatcttc tctcgaagt ggcattctct 180
ctctcttcat tctcgattct gctgccattc atcttgcaag aagcaaagga atccattgat 240
gaagaagatc ctatgcctac aagctccaat ggagcttaca tcatggggga caaaggata 300
gtgcttttac aactctctcc tccactactt gtatgaatat g 341

<210> 32915

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32915

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atgggnttng aagttaattg ataccatcct tttctttgga ttttaaggaat atactatgga 120
tcagtgtata tatcggaagg tcagtgggag taagggtatt tttctaatac tgtatgtnga 180
ggatatatna ctttgcaact aatgatcttg gtcttcttca tgagactaag aagttttttc 240
tagtaacttt gaaatgaaga tactgggtgag gcagctatgt gatagggata gaaatattct 300
gaaatagatc acaaggattg tangcttgtc tcanaaagca tatatcaata aagtactana 360
gagaattagg atggaaaagt gctgaacatc acccgtccg agttcagaaa aggagacann 420
nattagcctc gcacaatgtc ctacaaatga tctgggaatg aaaccaatgg aaacaatttg 480
tatgcatcat n 491

<210> 32916

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32916

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cctaaattcc attaaccaaa ccactttgtg tgaatgtagg atgtgatttg cttctctaaa 120

atTTTTtattt ggtatttttg ccaatggtaa gtaataattt gggaagtctc tcacctcatt 180
 tccttcttta atcacccaac ccacctatt acttccttgg gttctcttan ttattaacca 240
 aaaaatcatt attgatattt aacatgtcat gattgttatg ctatacacat aacatatgag 300
 ctcttttgatt ttttaattaat gactgagant aactaattac cccttagagt gaatngctca 360
 ctacaaagga gctagatctt gtaggaattg aagcttaggt ctatacacct gtnnttaatt 420
 actntctgta ttaacan 437

<210> 32917
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 32917
 ctccaataaa cctcctgacc ttacagcaaa atcaacctca gcagtagaac aattatgacc 60
 tctccagcaa cagatacaat cccggatgga ggaatcaccc taatcccaga tggcttagcc 120
 ctcaacagca acaacaacag cctgctcctt cctccaaaa tgctgctggg cccagtagac 180
 catacattcc tcttctaatt caacaacaac aacaacaacg acagcattta ctgagacaac 240
 aatccactat tgaggccctt cctcaacctt cattggaaga atattgacgc aaatgacaat 300
 acagaacatg ccagttcagc atgagactat agccctc 337

<210> 32918
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32918

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 agnanaacct gtgaagccga cggttcggtg actcccgncata cataacaaaa cgcggaattg 120
 aatgtgaact ctacccattc aaacgacata acttttactg gatgtctaata gagccccaat 180
 attcgaacgc tcaaattgaa ggtgaacttc tagcaaatca aacgcccata ttcttttact 240
 ccgatgtctg attgaggccc gtcatatatc gagacacctc gaaaattgaa tgttgaacat 300
 ctgaatgaat tcaaacgaca ataacctttt actcagatgt ctgatatagt ctcgtaatat 360
 atcgagatgc tccaaattga atgttgaagc tctgagctaa tttaaacgac aacaactttt 420

tacacggatg tctgattgag tcctgtcata tatcgagatg ctccgaattg aatggt 476

<210> 32919
 <211> 277
 <212> DNA
 <213> Glycine max
 <400> 32919

tgcttgcaact cgctattcct gactttgaca attaactctg aatattttact atcaattcta 60
 agatgttaca gaataaaata aagatgttcg gcgagattta tattaaaata tctaagaaat 120
 gtattgtatc ttctaaaatg tgataaatat tcaaagtcag gaacctcgta ttttggttca 180
 tgttctgtac caaacaatt tatattttgt tatgacctaa gttgatattt aataaactct 240
 tctgcacata tagattctat tattattaaa gttcata 277

<210> 32920
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32920

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 tttgggnagg agcccggggc ggggtgtagga aggaaaacaa aacccccaga nacccccagg 120
 gaagaaatag ggtggctgct attcatactt atgatccact gctatattcc ttaattccac 180
 gatgttccaa gggaaatgct tgattgggac aagcgtttcc acataatttt gtggatttgt 240
 tccgggcttt tgtaccttca ttaagattct cgagtgatgt atatccttag agatctaata 300
 gcagttattg ttactagac gacactttga ttccaaaatt ttagattatg gagtgcttaa 360
 actttcggag gagagaatat tgaaggaaac accaccagaa tagttggtac atattaattg 420
 tn 422

<210> 32921
 <211> 280
 <212> DNA
 <213> Glycine max
 <400> 32921

ctactgctct aagccaggca ccacctcgtg ctggtatcaa ggtattgact tttttaagct 60
tatgctcata ttttaactaca ttgtgggttat gcttaagatt ctgtgacatg aaactctgac 120
ttccttttaa catccatttg gtttgggttat atagataatt ttgcaccgtg taatttacca 180
cctcttgga gacataggat atttgataat agagagggcc cctgtgactt ctgaaacgca 240
cgttgctggg caagcagaag tgctgaatat ctttgaaatc 280

<210> 32922
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32922

gcgaaagagt atctagcgaa tactaccac agggggaaaa gaaccttacn caaaaaaag 60
ggggaggga gcacccacc gcccgaaaac gaccacacc aaaagagggc aaggccagca 120
caagcaggcg caaacgacac acacaaaaaa cgcggaagcc aggcacacac gacggaaaac 180
aacacaccaa aaaagcggac gcaaaaccaa caccggaac gaccaacgg aacgcagag 239

<210> 32923
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32923

nnnccataa gggaaggga tangccgna nntntntn ngacnnntnt actnnnnnn 60
cnnngcngna gtacnnanna gngnnganga gnngcactag cgatgagaga anactctacg 120
ctcnnntggn annnnnnnnn naannacgga aaggngcggg gagtgtttca agaggaaacg 180
gccacccaa ccccccgacc acaaatnggc gcacaggaaa caggaaatcc acgcggggcg 240
gaccatcaa caccaagaca gcaatggcac atggaccatt gacattggag gacccaacca 300
cncaaaagga catcggaccc gtggaatggg cagcatgaac tcacaacaac taccctttgg 360
gggagattac caagaggcta atcactactg tgccacctgc tagacgcttg aaccacaaca 420
aatacgccag ctttatgacg ttaaaaagcg ctctggagg cacctatatt tatgacccta 480
cttgtaaaat tatctcctcg ctgattcaac tcggttataa aaattattcg ttaatctat 539

<210> 32924
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32924

aggaaagctg tggctgatta ccngnnataa ttatcgccgg agacaattgg aggnaccta 60
 gagatgaccc attttttann nnaccgcccg aaaagggggg actcaacaaa ctcccacaaa 120
 aattaatggc gttagaatgg cctcaaaaat agaacattca atttcgagcg tctccattat 180
 tacgggactc attacacatc cgagtaacaa agctattgtc ttttgaatta gcttagagct 240
 ttcaacaatc aatttccagc gtctcggtat ataacgggac tcaatcagac atccgagtaa 300
 aaagtcattg gcgactgaat aggctcagag cttccacatt caatttctag cgtgacaata 360
 tgtgacgggc ctcaatcaga catccgagta aaaagctatt gacgtagaa ttgctcagag 420
 cttacacatc aaatgtcgac gactcgatta tgacaagaag 460

<210> 32925
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32925

aggaggcgaa tctgtaagca caanntcacc accagcgac ccangaggng antgggacgc 60
 gaaaattgct cgaacgnnga cccgaccaac gggggggagg agagcaagcc caccgacg 120
 gggaaaacac accagacaga agacagacgc cgcgacgag aagacgaccc agccagaaaa 180
 cgccacaaca accgaaagga aaaaaagaac ccaannnccc caaaggcgag aaccgagcgg 240
 acccaccccc cggaccacgg aaagccaccc gggccaggag ccngaccgga acaaagcacc 300
 cacagagaaa caaacgccgg aaagcggaca acccagagga aaccaacaa aaacgccgac 360
 ccccgacacc ccagacgccg ccccgagac aaacgacgaa aagcc 405

<210> 32926
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32926

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acttctatat tgggtcttgcc taggtgatac atcaattgaa aattatagtc tttcataaac 120
tccatgtaac atatttgtct tatgtacaaa caaatacttc caactcatga gatcagttaa 180
cacatcaacc tttgcttcag aaggataatg tcttcatatt ttcaaaacaa atatcatcac 240
aacaattcta gatcatgtgt aggttagtgt ctctcacaca tcttcaacta tcaagatgca 300
tatgctataa ccttcctatg ttacacacca atatgcaact canaccttga taagagacat 360
cat 363

<210> 32927
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32927

aggttacgta ccttagacnc ggaacattac tcanctcaat ccgangggga ngggaaactc 60
tgTTTTcttt tcnnaangt cctggagatt gtggtgggtc agaaccctcg gactaagcgg 120
ggctattgcc aaccagcttg ccaatccacc acccggttaa cgacggagaa cctgaagtcc 180
taacagcgac tctgcaccac aataaagaaa cagacccaac acgtgctgtg tgggtggcact 240
ggaataggaa aagagatggg ctcggtatga taccaagtgg aatcatacag ctaaagaga 300
agagccaatg cttgaattat acccagggtg acatacgtg aacaatcaga ccacgggg 358

<210> 32928
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32928

ggaatannc gggtcatct tatgcgnaan tatatacccc tcacaggcgg ggcacgaaga 60
caacttcctc aanngaaacn cnggccgggg agggaagaga ncannggacc caccnccca 120
ccaacgnnga gcgcgaacca caacgagaac aagagagaga cnaccgcca cggaaaaaaa 180
ccancaagan naggaaggaa gaggggccac caacagacgg gaaagaaggc cacaacgaag 240

accaaggcaa aaacaaccgg aagaaaaagc accccacaag ngacagacaa agaagaaacc 300
 gccacagca agagacaaag caccacaaac ccacaacaga cgcacaaccg gccaaaagga 360
 aaccacc 367

<210> 32929
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 32929

tatcattttt tcttatacaa aaatgaagct gggaggccac ttgttaaaca agtggccaca 60
 aatatcttaa gaaggggggt tgaattaaca tattgcaaac tttttcccca attaaaattt 120
 tattttaatt ctaatgcaag ttacaagttc ccttaaaaat gaactcttaa ataatgattc 180
 aaataaaaca atctgaatat aaatgcacaa caataataaa taaaagattt taagggaaga 240
 gaaagtgaaa actcagattt atactgggtc ggccacacca ttgtgcctat gtctagttcc 300
 taagcaaccg gcttgagagt ttcactatct tgtaaaatcc ctatacaagt tttgaacaca 360
 caaggacaat c 371

<210> 32930
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32930

ctaataaggg aaatctattt ttttttaaaa tatataacct tttttgttcg aataaaacaa 60
 gaaaatatcc attttcaaca aaaatgaatt tccatagctt cagcmttgta gtaaaactaga 120
 gcagtgcgcc cgcactctgc angacagcag aaacaaaaca tgacccatt tttttgaaat 180
 gcaaaaagaa naaaaaatgc aacagttttt ggcacatgta acctttgagc tntgaccgga 240
 gaaatactta at 252

<210> 32931
 <211> 367
 <212> DNA
 <213> Glycine max

ctgcttcaaa tgataagcat ttgcttcaag aataattcaa gagtgcttca acaagcacag 120
ccatgtttta agattcacta nagaccaagc cttgccttaa aacaaagtgc tttcaagaca 180
tgcaaggctc tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga 240
gaaatagctg ttgaaaaatg ttttgaattt gaattntcaa catgtaatat attaccatat 300
gtctgtaatc gattaccagc aacgaaactt tggaaattca nnattcaaag tcataaccct 360
tcaaattata actgtgtaat cgactacaca aaca 394

<210> 32934
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32934

cctccgatta acaggacctt catagatttg atcngatgcc aaggtaggca caacaacagg 60
ggcaagcaca gtagcatgcg caggaacacc agtagcagcc agacgcaaat gcatttgtgc 120
cacctctacg acaaccacca tctctgtctca catgcggatg atagagctcc agatgcacgc 180
atatatgcaa catgtggccg accagcaggc ggccaaacat aaggtttagg tgcaactgaa 240
tgaaagctnt tacctgtaca ccttgcata gtagcgctag gaccccaatc cttacccatg 300
gcctactccc g 311

<210> 32935
<211> 283
<212> DNA
<213> Glycine max
<400> 32935

atctaaaaac ctgcgcaaag gacggtcatt ctcttcttg gaaggtagca caggatatgg 60
tacttcaca acttcattca caactttttc acttctactc ttctttgcat tctcattttt 120
ttcatctttt tcaatcttct attttctttt tcttgggcat tcaatcattt tttcttgacc 180
attattagat tctctctttc ctgagttctc tcaccttgct catcattttt cttgttatca 240
atacctctct tttcaatgcy gtaagccaca tgactaagaa aaa 283

<210> 32936

<211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32936

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aaaacatcgg ttgngactga ncgacgtgac ngttanaata tttttncttg ntgntnctac 60
taggggagggc gtttccgata ttgaagatat tttcttttaa aaanggatgc cngganacct 120
tggagagcca gggaaaagaa gtcttggtga gggaccttaa ggacacaaga ggctagaaat 180
caaaactctct aggggtccac ttggtatgga tttgaaccta acttcagaat tgtcaaaggg 240
cttcagggag agggcaaaaa aaaaagggtct atagaacttt atgggtattg gnttgtattn 300
tataggtacc aaatgattaa ctaccattct tacattatta aattgttttc actatagaaa 360
tcaattgcta agtgcaaccg tggagagcaa ttctattgac ccanatgttg ttgcagtgct 420
acactcattt tgtcagctga aacactgatc ccattctcat gtgatagaca tacan 475

```

<210> 32937
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 32937

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aaacctccgg ggcagcaaac ccaacatgag cacaataata tgacctttca agcaatagat 60
acaatccagg ttggaggaat catccaaata tgagatggac aagtcctcca caacaacaac 120
agcctgcccc tctatttcag aatgctgctg gtccaagcaa gtcatatgtt cctcctccaa 180
tgcagcaaca gcagcaacag tcacaacaaa gacaacaagc aactgaggct cctcctcaac 240
cttccataga agaattagta aggcatatga ccattcagaa tatgcaattt ca 292

```

<210> 32938
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32938

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aggttacgta tgcttgtagc ttgaaataaa ataccgctg ccganagtga catgtaagaa 60
tccacgggtcc cttcttttta tttcccttat angagagtcg agtagagttc actggccgctc 120

```

acttaacaac gtcgtgactg ggaaaaccct ggcggtaccc aacctaattc gcctgcaaga 180
cattccccctt ttaccaagct gcctaataac caaagggccc ccaccagatc gcctttccca 240
caagtgccac agcctgatgg cgaaatgcgc ctgatgccga ttttctgctt acgcatctgt 300
gcggtatttc acaccgcata tggcgactc tcaagacaat ctgctctgat gccgcatagt 360
taagccaagc cccgacaccg gccaacaccg gctgacgcga acccntagag gacgcttgaa 420
tatatgtcat gcttggacac atagagggtt gcggaaagat acctgtgac 469

<210> 32939
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32939

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caacaagaat caagccaagg ctattgtgca aggaatcaat ggggcaaac acaccaaag 120
attatgatga tggatggctc aaattctcac aaacgttaac ttatcacttt caaattgagc 180
tttcaaaact ctcatgacat gtagaagaaa aacaaagatt tcaaatacaca aaatgtcaag 240
agacttttat tatcaaaaca attaccatt tcttgaacat atcctataat ttaaagaaaa 300
atatgcaaag ttgtacatgc aaacaaaaat gacctcaat attaaac 347

<210> 32940
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32940

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tctctaggcc ngaacccagg gcgggggaag tcanaaaaac cccactccga ccagacaggc 120
agtacgggag acgcggccat actacaaggc gcaaaacgag acgcatcggg caatggggca 180
aaacaaaaag ctcacccgtg gagatgagcg agtactgaga cagggcaccg cataactatc 240
cccgcgtgta agcgacaaca aaattcatgc aacagtccca tagaaaaatt ctcagcacag 300
tgagacgtga caatcctgtc aaacaggcca aacgacgact tacaactctc gtgacgacac 360

attaaag

367

<210> 32941
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32941

agggttgctc ngcatgatan ctagnngcat atactagctc ggcacccgag atcctataga 60
gtgcacctga aggcgtgcaa gtcctataa aggctcccc aaaacgctnc cgcgaggctc 120
ctgtaggaag ctttctcca aggctacttt gagaagctaa tatctaact accctggccc 180
ctctattacc taattaaatc tccttgaaag tagtgccaga taatataaca cgataactta 240
ttccaacttc anatataatt actaacatat atgtatatat atatatatca ggggtgttaca 300
ttgaccaaac tcgctagaga tgtcatcacc caccacaaat aacaccgaag tcgtgatcat 360
aagcatggag actcanatag agcatggctc ttctcactgc atcttttagga tacctatgct 420
agtcgaagac acatcgagag cgaagaggac gagtatcata aactagaccg tgataaact 480
tag 483

<210> 32942
<211> 107
<212> DNA
<213> Glycine max

<400> 32942

actgtgaaaa ggttttgatt gtagtatata tgtatcatta ccattgttgt atcgatccac 60
acagacattg aatcaatcat atctaccctc aatatactgt gtatcat 107

<210> 32943
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32943

cgttnacacc acaggaana aggggtgaatg accgtagac nacnatatat atnanccna 60
caacangga ggggaagaa aagcgggana ctttctttat taaggagnnn gggccnccgg 120

aggaagcggtt cctaactaag aaatatttct tctcactaac tcatgaggat gcatgatgca 180
 ccanagatga tatggactaa gaagcaatat tcaatataac aatcaatata aatgtcactc 240
 aagggagtta ggcattgtaa aaaaaaaca tctcagcttt tctcaagctt cagattagtc 300
 tcatgttggt atgttggtccc ctatttcaca atttttccca gacaaaatct ctaataagga 360
 acaatattga tgcattggcca caaactaaca taatgcaaca aagtatattt gatagacaca 420
 cgtgacatta aatcttatta tagctattaa agattattaa c 461

<210> 32944
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 32944

aagaatgcag tttttggagc tcaaaaaca ggaaccatgg aatttgatat aaggagagag 60
 aacacagata ttcagagaat agatgcaatg gtactgctgt gaacagttac actgaactta 120
 agcaaatttc gatgcactcg ctgagcgagt tatgcttgct gagcgagaaa gagatgtttg 180
 gtttctctcg atgatctcgc tttagcgccc aatgggctca gcccaacttg aaattaaaaa 240
 ataatttggg ttttagagttg ggcttagcgc aaagcagtc actcagcgag ttctgcagat 300
 aagaaatcct gcaactctcg ctaagccgga c 331

<210> 32945
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32945

gctcggcccc gggatctcta agtcacctga ggctgcattt tttgagatac tnggtgnact 60
 tttactgcca tatgcaaaag tggtgtaccc caacataatt gctttagaag taatataata 120
 actaaaacca taaccatgtc tagagacata aaactaatga tacagaaact agaaatttca 180
 ccatccaatt atctacaaat tgtgatattt ttggcaacaa aatttttata aataaagcaa 240
 acgttgtaga ttgcaacca gccaaaaaaa atgatnttag gacttgactt tatcgtacat 300
 gataatagat caatcactat tacaaaagat tacttattaa tntctacana ctcacaaatg 360
 tcaccataa tatacgaact cacatcagag ttacgaacaa agcgtgggtga tgccccact 420

aataactagt

429

<210> 32946
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32946

tgccctaata tacattgatg tttgtatnta tgggatgagt ttgtatgcca ttttntgttt 60
aagaataggg tccactggta aactactttc caatgttgcc ttccagaaat ggcccaggga 120
cctggctaaa aggtccagaa gacaaggcac cgaagggaact agttccgctc ccgagtatga 180
tagtcaccgc tttaggagtg ctgtacacca gcagcgcttc gaggccatca agggatggtc 240
gtttctccgg gagcgacgcg tccagctcat ggacgacgag tatactgatt tccaggagga 300
aatagggcgc cggcggtggg caccactggt tactcctatg gccaaagtntg atccagaaat 360
agtccttgag t 371

<210> 32947
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32947

agctgcngcn ataatancaa aattgcctaa atcatttcca gatatgcatg tgaattanga 60
agcatcaaca agaatacagc caaggctatt gtgcaaggaa tcaatggggc aaaacacacc 120
aaaagattat gatgatggat ggctcaaatt ctcaaaaagg taaacttatt actttcaaat 180
tgagctttca aaactctcat gacatgtaga ggaaaaacaa ggattttcaa tcacaaaatg 240
tcaagagaac tttattttca gaacaattac ccatttcttg aacatatcct ataatttaaa 300
gaanaatatg 310

<210> 32948
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32948

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gagccttggt cctttcctgg tttgaaccta cttaaaccct aagtgaaaaa ccttatatac 120
catatcctta aggaattttg agctttggaa tggttttggg aataagtgtg ggggggtttt 180
gtttcattgg acaacttggt tttttggcta tgcttcatga tgtattttgg tccatacttg 240
atgtacattg tatattggtt aaatgttgga catgctgaat gaaatgttgt ttctcaaaga 300
ctaaagatta aaaaaaaaaa aattcgaaaa aaaaaaatcg aaaaaagaaa aagaaaagca 360
ataagttgag tgaatagaac ttanatggca caagaatgat gaaactcttg gttctactct 420
tcat 424

<210> 32949

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32949

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cttatagtta tacatcttat accgttcaac ttgaccatgc acggatgtga tggtgaccca 120
atccaggtga tgctaagcac cgtttgggaa ttngnatcaa cagccctgta ctgtactgaa 180
cattctacat aaagaanaga aggacaacaa agaaaaccag cctcctcaga aatacagcan 240
aatctcgtct catgcagtcc tcctctgttg ttaaagactt gctagtcctg catgcttctt 300
catttgtgca ttggataaag acatgtatg 329

<210> 32950

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32950

aaaaattata ataaaatata ttgataacat tctcaataaa aaacacttac tggattgtat 60
tttcattntg aaatggagaa ggtagtacac taaaaantta aaaaatacta ataatatatt 120
attttacatc actcttttat atgttggtta taaatcagta tcaccctagt tagtaaaatt 180

agcatgaatt cttattaaat gatatacagc ggtaaaaaga gtgtaatttt gatataatcgt 240
tagcataaat tacattt 257

<210> 32951
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32951

ggtttttaaaa taaaaggggt tcctcttttt ctataatttt attataaaact accccacatg 60
tctccatttg agtggagcan aagggccac tntccctttt tactgtgacc cacactcagc 120
cacanaagtg agaanaatct gacctttgaa acgctaaaat cctgcctcng tttgcgtgtc 180
gtttctctgg ttccagtttc tcgcgtntct ctgcgtccgt cg 222

<210> 32952
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32952

ttctctccat gttactgagt ccttcataaa aatattggag aagaagctgc tcagaanatt 60
tggtggtgag ggcaatnggc gcttagtttt ttanatctct cccagtattc atatanngct 120
ctctcattga gttgcctaata gcctgaaata tcctttctga tggtcgtgg 169

<210> 32953
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32953

gctattggtg gatcggcaaa agtcaggtaa tggctcgcat ggaggtggtt gataattccc 60
ccaacctttg gcatcaagat gtcagggtgct acgggggcct aattaagaaa ttatcatcacc 120
ggcttcctat gaggctcann atgcaggagc agccccaata acgagatcct ggctagcatt 180
ttatcaatgg ttcatcact ttgaantcac tctgcttaat gattcttagg aatttggtgc 240
gttctaagca gatgggttct tcctgccaga attatnctct ttcttgagg cttttcatag 300

gagtcttgtc attacaaggc cttttctccc ttgtatcaca tactcttctt ttcctttgct 360
tta 363

<210> 32954
<211> 209
<212> DNA
<213> Glycine max

<400> 32954

ctaattacta gcaccatata cttgcagcat ttccatttca ttgacacgag tgcagggctt 60
cagaccttca aaccaagtct tttatgtacg tgggactgac aatcctcttt atagatatatac 120
tcactaattg cacctctgtg tatgggtggc gacccccgat gtgatactgt acaatgtctt 180
gtgactgcta tgtatcccct gtattcatg 209

<210> 32955
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32955

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ttgaaatggg cttgatggat gcaaaggat gttgtgattc agcttttgct ttgtaaaata 120
atgtgatacg gtttatgctc tgttttgctg tttgggtggt tgatccccta tatgagttgt 180
aatttatggg atctggtttag tcatttcaga gactgggttt taggttctct ttctgggatt 240
ttacgttggc tnttcttggt ctataatgan tattgcgatt tgattgttaa atacaattgt 300
ttttctttct tggccatat gacatgttga atga 334

<210> 32956
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32956

tgctatcaat gttaatccca aactcctttg catatggat ttactcataa tcagtttcgt 60
gaattgtctg ctagtatatt ggaaaagcta tagattaatt aaactaaacc aaacctgcaa 120

tacacattat anttttgttt gtaaagagaa taaatattga aatggacatg tntaaacaat 180
 tgcaatttat catacaacca tggctattca gtttccaatt gattctgaca aaaataagaa 240
 tatatagaag aaaataaaaag gtttgatgag aattctaaat tacccaaata cgggaaccag 300
 tgactaggag taggatcaaa taactagtgg ataccctcta acaaatgata gcagacatgc 360
 ttaac 365

<210> 32957
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32957

tccaaaggta cctaaagata aaaaagccaa aaggagactt gatggttcaa gacggtggga 60
 tcaacatcgt tctgttgac agtagtttca cttggtcagg caattttcta ctccagcagt 120
 tattcataga taactcaact agtttcccta cccatggaat gtangagagg gggatcatga 180
 acctaaagcc acaagataag ggacaatgga agatatagca tatgttggac aaaagggaag 240
 caaacagtta aaagtgtctg atcaaacaag tgccttaa ataatcaact taatagt 297

<210> 32958
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32958

aaaaacttta ctagatcanc ttaatctaac tgactactan ttatttctat ggaacatgta 60
 gttttttccc ccaagattgg aggaaccgaa ggatcataca ccatatgtaa aaaaatgata 120
 ggtgaagata ctaagtgatg cgtgcatact acgaactgct gctggttctg catcactcct 180
 ctgttacacc cattgaaaaa atgtaagtta acaatataat catttagata tangggaaat 240
 ttgcaaactct cttccatgac cataattcct gacttttgat caatttataa aagactnttg 300
 aataagtaat tacttattaa aaaatgggta tggctttgag gcctatnttc ttgggttattc 360
 attgcacagc anagcatata gagtgtttaa taggagaact ttatgtgtgg aagaatttgc 420
 catgtt 426

<213> Glycine max

<223> unsure at all n locations

<400> 32962

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aaaaaaatga attttcattg actancnacc ggcatatact ancatcggac ccgggaatcc   60
tttaaagtgg acttgaaggt tgcaaactnt ttcagaccgn aagccatgct aaccaccttg  120
gttccttgat acagggcata caaatccctt tcttcagttg ggtggccctt accactcgga  180
tcacgaccaa catattgaaa atttgccctg cctttatccg tgccttgcat gcactgtact  240
tcattggacc gcattatgca tagtgatgga aaatggcact atggtagtct angatcaaaa  300
ctccatcttc tagcctaaga gaacaaagaa cttatagata aattcatgat tggcaataca  360
aatgatagat actgaattaa tgaagtcaac acttttgggt cattttgaca tatatgtgac  420
acatccatta tatacctagt ttttaaa                                     447

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<210> 32963

<211> 496

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32963

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nnnccttcgt taggggactg agtnatcana ncttntatac tcaagcttgt gaagggaatg   60
atgatgggag aaaaagggat gggaatgttt ctcaatatcc tttagtggga aaaaaagcc  120
cataaaactc ccgtgggtgg aagaaacccc taccatggat tctataaagt aattaaggga  180
ggtttttcat ccaggggtcc ttaaagtcct tatttaatta tcaggtggat taagggttat  240
tagttagaat aaaatacctt tcctaaagta ttatgggatg gtaagggcat aacatgatgc  300
aattggtttt gcctaattac tactaagtta aaatggtttc atttatatth atcatgtcat  360
gtgtactaaa aatttaatat tgtaactcct tatgtaaaca tccatgatnt gtacaaanga  420
tatgatntac tttattagtt ttatatatga tgagtttaag acctagaaag acgaattcaa  480
attaatgaag aagnan                                             496

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<210> 32964

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 32964

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aggagtgacc tgatcagcga actacnaccg cttactgagg gggaagaggg gctctctgcn 60
nngcnaanaa agcggggggc cgaaccgggc cgcgcaancc tcaccgacaa aagccgggag 120
ccctgcggaa cagaggcaga acctagtccg cccccaaaaa gccccccgaa gcagaagcgg 180
gccgcacaga caaaacagac gcgcgaagag agccacacga aggccaccga aaatgtggca 240
ggcgagacct g'cgaagaaaa gcgaagaaga actacaagag gtcggaagaa acacgagagc 300
cggcgactaa aacggggggc caaca 325
```

<210> 32965
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32965

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tgacacaatc aatattctgt gtcttatcaa gccactgttg tantttaaca nataaaaaga 60
tttgtggtgt gtttgctcac tgactaaatc ttaattgtat tacagacgaa tatgaaatct 120
aagcaagcac ttagtctttt ctatcaaagt gttttgaaag ctttttcgaa ctatacaaga 180
atatatagag agattttcac aaaacaaatt taaatgttag cgcacagggt cgtaacccat 240
gtctttaaaa cttttgttat ttataggcat tcattctcaa gtatttggtg tctctaaaca 300
aatagttntc ttcacttgag cttgcatatg atgtttatgg tcgttggggc attgcattaa 360
atgcacgtac ttctttatgc cagaaaacca ctcttattca ctctcatgta gaataattca 420
gca 423
```

<210> 32966
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32966

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ttcttgtttc gacctactta cccgttgaag atcgaagaac gatgaaaaac gattgaacaa 60
cgtcgaaaaa cggtcgaaaa ccttcgcgaa attcctcacg gaaatgtttc ggaagcgcct 120
cggcttagat attctttacg gaaacaattt ttccaagcaa attcgaaaga gcgagaagtg 180
```

cctaaggggc tgaacccttt tgcacttcac ttctcccct atttatagca naatagggga 240
gatgcttgcc gccagctcg cccaggcgag catgggtgct tcctccataa gcaacagcct 300
tctggaggaa tntcttggag ggcccaagtg ggctggntg ctatttgac ccccttttta 360
ctaatacacc ccc 373

<210> 32967
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32967

ntgatcttcc accaccgcca ccaccatcat cttagatcta tatttttata ttaataagac 60
cttgaatttc aggcctggat tttggctaaa ataataatgg aattggacca attaacaatt 120
tccttatttg catggaatgt ttgaacaaat ataaagtatg ttatttgact atatgggttt 180
tatagataat ctatttatga ttgttgcttc atgggttggg tgtagtttc tcaatgaatg 240
ttgtatggat gtgtagttat atttgattat ttcaaatttg ttacgcactt tggctctttg 300
ttgatgccaa aggaggagag aaatgggatt aaaatcaaga actcacatga gtaatcaatn 360
taattttaag atatgcacaa attcaaaaac aaaggggggag aatctatgtg agtgatc 417

<210> 32968
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32968

cactnctcta catgataaat gagtacaacc atttgtattc ttgcaggggg ggttcctaaa 60
ttcaaagaac actttgcctt cttacaacta tctctattag agaatgatat gcaaattaac 120
aagtaatttt cttctattca ttagaagtga ccactccatt aattgtatct gcatgttata 180
gaatttgtaa ttcatttgtg ttcttgaaat attattggta gggttataagc atcaattttg 240
gtgtagaaac caaggtgttt ttttttaaaa aaattgtcta ttatcctctt ttagatgcat 300
cctcattttt taaattgagc ttatta 326

<210> 32969
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32969

tcgattaccc tgtgtatttc tgatacgttg gannattcaa atccaatntg gtgaagagtc 60
 ancaactcnt tcataataat gcacttgtgt agatcgatta catgaactat ggtagatcga 120
 ttaaccagtg ataactcttt gaataaaagg tcaaaagttg taactcttga catgattttc 180
 tcaaggttat aactcttcca atggttctct tgatcagaca tgaagagtct ataaaagtaa 240
 gaccttgact tgcattcaat agaacttttt acaactcttt gacaattttt tagaacttct 300

<210> 32970
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32970

aaaaacaaag gacttttagn atgtcnnntt atatataatta cctgcgatgg ggctaaatcg 60
 gataatcaca gcgaagnntt agcctcgttg tcanacagna acacncacgn gggggggcct 120
 tcgatgctat acgctctatt tcgaangagt tcaaaagtgc acccctcgaa gcgttttatt 180
 tcctatttct tttgggagaa taattatagt cgtgtgcgtt actactacaa attcgctttc 240
 tattgactaa cggaaggcta agtctccagg gttggtctct cttcaggatc aaggacaact 300
 ctctatgacg atgtattatt actattaaat tctgatcaga ttttccctg caccaattac 360
 tctgtatgtg tggctattaa ttcatgcatg cctagtgcct gactaatgag ctcaagtgcct 420
 aaattacatt catgctcaat gatcgtaacat gattaattgg cgtatgtgta tcttgaacac 480
 atatagan 488

<210> 32971
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32971

tatcttggtt aatggctaga catgatacat gtcagggctt ggtttggttc aaggataaaa 60
 gggatgcccc acattatttc catgacacan atgcaaaaaa tgatgatttg gaaactttat 120
 gcaaaaactgg tcatgcatgc acctatgcgg aactcaagt gtcaaatttt tatgggtcatg 180
 tgatgctagg gctcaggatt catttctcta tttagtcaac ccacgcttcc aaatatgttc 240
 tttatcaatt gtgcattcat cgagtcattt gggcggttcgg aaaattttac agcatcaccc 300
 ttcagtgata ccacattttt taaaaatggt ttga 334

<210> 32972
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32972

cacaacatcc tccttcgttg tttcctttgt tgccactacc acctncttca atgagcgaaa 60
 attctcaaatt tcctcctcat ttcattccct atttgccact ccctccacca ccagtaactt 120
 ataatacaatc cccttctacc gaaaattctc aaagatctca aacttttctt caatgtcaca 180
 aaacacctct atcgcatctc ataagcctcc caatagttat attcgtgcac aaactccttc 240
 aaatgaggaa gttgatatta caatagagga aggaggaggg agttctacaa agaagaaaaa 300
 gggaaaacga ttattctttt caatt 325

<210> 32973
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32973

ntcaccagat catataagat aaatncattc atccaatctg tatatannta tcctccaaaa 60
 tgggtcaaatt ctctgcccta tatatttcaa ccctttccat cactggcaca ggagtgaatc 120
 tttctcatgt gcaatattaa agttatattg tcatccattc ctcaaatca gaaaccacaa 180
 acattgccat atattangaa ataaaaaacc taactcatal tcaaacatan gcatcaca 240
 caacaacatg caatgtcatc tattaataa gagcatcatc aatgaaaata ataaaggacc 300
 atanacctcc ctacgaagcg cgtagacaat gcaaatgata acccttgaac atataanacc 360

ccaaatg

367

<210> 32974
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32974

agatgaggaa gtgtagaagg gtgagaactc ctgcttctan tctttgacca canagnngta 60
cctagagata tgtcgcttga gatcaggaca ccttcgggac gtcaggtggg gtgctattgc 120
ccaataccaa gcttgaccaa tcctgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtaacct aaacatgcga agctcctgca gtcaacagat aaaaggaaca aagaccacaa 240
atcanggagg cttgtggtgg ctggccanct gtgaattatg tgtgatatat ggggtgtggc 300
ctctggtaat cgattaccaa ggggtgggtaa tgcattacaa ggcttnaaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgatta 389

<210> 32975
<211> 254
<212> DNA
<213> Glycine max

<400> 32975

gtccgtggcc aaatgatggt ggggatggtg gtaggcgtaa ttgttaacgg cggaggtaag 60
gtactacaac ttcgatctag tttttttcgc tataaaactt acaaatacat aatccgtaaa 120
ttatataaaa cttatggatt atcaatccgt caattatata taacctacgg attatcaatc 180
tgtaaaaaga caatccatat gaattatgcg aattttcagt aatccgtata gtccatacgg 240
attctcaatc cgta 254

<210> 32976
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32976

aggatctttg ctantgcct taatatagct tgctgttaaa taaaggatt cagaacatat 60

ctataaaatg cattaaatat gataaaatgg gacttgtact cacatataat attagttttac 60
 aaaggtactc ttcaggaggt ttttgaaaat atattataca tttaatcatt aggggtcttac 120
 tatgtgctcc agtatcttta ttt 143

<210> 32980
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32980

agaaatacct tttnccttag tangcanncc naannanana ttacgcctgg cgccactaaa 60
 anagaaggag cactggagcg gagaatttct tttatggtn gccaancnggc aaatggatgg 120
 tgaaggaatg gcattgacca tatcaccggg agagtgtgaa ccttaaattt tgattgacac 180
 aactatcatt taagacctgg atctttggca tggaatcttc tgaaagagtg gaactgaatt 240
 gtatgaaaat gaagatgatg aaggctatgt ttgattgtga tagcacttac caaaagctga 300
 cctgtcttga ataataatcc ctcgaccag tttgagctga atgaattatt gatgattgaa 360
 cctgacctat cagtgtatct ctactacctg attangtgn gagagctcat caaggagcgt 420
 ggtcaagcaa ttgtccaatt ggggagaata tcaggaaatt attcaaatg 469

<210> 32981
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32981

tttggatgat accaaggatg atgacaaaaa gctcaaaagt caagaccact tcatgttaac 60
 aaatatgatg acttcaagat tcaaagaatg agttcaggat taaatgaaga gtacttcaag 120
 gttcanaagg aaatttgatt tcaagaatca aggagatttg atttcaagaa tcaagaatca 180
 agattcaaga ttcaagtccc aagaatcaag atcaagattc aagacttctc aatcaagata 240
 agtattaaat nttgttttca aaactgagta gcacattaat tgttctcaaa aaccctttac 300
 caaagagttg tactctctgg tatcgat 327

<210> 32982
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32982

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aggggcgctgn cccttgattc ctgancnaca ttntanatac tccgctccac aatcccantn   60
ccttgaatag gccttctttt tttttttccc agtggagtcg ccaactgtcg caacgtgccc  120
ttctcggggcg agcgaaggcg aggctcacgg gtgcgctttc caaggaggaa aggggtgcgga  180
gtctccacca cgttatttgt gggaacgtcg gaaaaccaa tgaaaccggc aanatgaaaa  240
tctaagnccg gagttgtatt acgcttgaga agtattacac ctcttacttt tctcgaagac  300
acagcctatt tttagaatgg ggaaatgtgt atctaacttt attcttttat ttttgaggcg  360
acaaagcggg ctttgctcta ctaccctctc aagaggagtc gactactagt cttctatgct  420
gatagtgatc tttacttag                                     439
  
```

<210> 32983
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32983

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cttggccgag aagaatggat atcctgcaat taattttcca tgttaaacag tctgaaagta   60
ccaaatattt cctatcaata ttcaggggtc aagacacata atcatggtac ctcaactact  120
cagtgggtata tttagggtta tccatgcaaa ggtgtccata tctaactaat aaatcaaaat  180
gtgaaccaca attggcactc taataatggt tcagaaaagt tatttgatct aagggatcta  240
aggataagtt atgcattctt ttctttttca acacttgagg cttgtgaaat aataaatggt  300
cactttctgct ttactctttc actnggtcat gtactatgca tttgctactt atttgtctac  360
ttattggagc g                                             371
  
```

<210> 32984
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32984

ataaaactca gctagccaat ttcattgcat cctattatat tatgatcttt ncgaggtttt 60
ctggtaactg ggtagggttac ttcttcaagt aaggatatta cagtttgaag taggtgtaga 120
tatgttttct tctactcctc tctttttatc tttttttatg tgtgcgtgcg tgagtgtgtg 180
gcatgagatc ctctcatatg ttgtcactta tcattataga gaacggctgc tctagaaaga 240
tcaattaggg agaaagttgg atggcagaaa ttcataaaaa gaggagtgc cacactaagg 300
aagctacagt accaggtttt tcttttagcc gaagtttgta attgccttgc aacattgtat 360
tatgagactt gat 373

<210> 32985

<211> 249

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32985

ctttttggcc acattttaag gagtccatta ttcacttaga atcaaaattt cagccaacaa 60
ttcattcacc agaactcaaa ttcacaatag acacaatcat aaggaaacct aaacgttcaa 120
gaaaaggatc acaatcaaag actctccaag aattctgcat gaacatgtta aggactaatt 180
aacatgcaaa gatttgactc anataaaata ataggctaaa agaatttcat acactcatga 240
acaaatgag 249

<210> 32986

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32986

actatgtctc atttttcctt acgaacgttc tcttgacaaa gacattctat taactaagaa 60
aatgcaccc atacataatc aaggcagctt cattacctag attatttaca cgtacttcca 120
aggtgtatctt gttacttaca tcacacccat ctcttggct aaatttacat acatgcatac 180
tcaaagcatt ttgggggtacc aaaaattgca catgtgcaca tcttgggtatt tctaatacct 240
atacatacgc aaacttcatg atgaatcttg actatcttca canaaagggtg ctacatttca 300

tgctcctttn tcaagttttg ctacttaaag cgcgatgcga attcagcata tttcctttgc 360
tga 363

<210> 32987
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32987

gctttcnagt ttctggnttc tgaacctgaa aacttgtgct ttcattcttc atctcttctc 60
cctttgccaa aaataattcg ccaaggacta accgcctgaa ttctttttgt gtctctcttc 120
tcccttttcc aaaagaacan aggactaacg gcttgaattc ttttgtgtct cccttctccc 180
ttgtcaaaga attcaaaacg acacagtctg agaattcttt tgattcttcc ctttcccaaa 240
ttcaaaagtg ttcaaaggac taaccgcctg agaattattt tgtatcccca ttcacaaagt 300
atcaaagggt taacagcctg agatctttgt cttaacacat tggaggctac atcctttgtg 360
gtacaagtag agggtagatc tactngtggt tgactgacaa caagacaggg tacatctctt 420
gaggatcatt c 431

<210> 32988
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32988

cttttgagcc ttgtttccct ttctttgttt tgaagctcac tacaagcctt aagtgaaaaa 60
ccatgatatc accatattcct taaggatatt tggagctctg gaattgtttt gcgaataagt 120
gtggagggtt ttgtttcatt ggataacatg tattgttggc catgcttcat gatatatntt 180
gagccatact tgatgcacat tgcattttgg ttaaagtgtg ggcgtgctga atatgatgct 240
gtttctcana ggctacaaaa aaaatcgaaa aaaaaacaaa agcagtaagt tgagtgaata 300
gatcttaatg acacaagatg atagactctg gttcactctt atgt 344

<210> 32989
<211> 286
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32989

cgtaacgttt ccgtaagtaa ttacacgaag attctcgaca gttcttcaag atccatcgtt 60
tgttcttcgt tntcttcagt cttcaacggg taagtacctc aaaccaagct tttcaattca 120
ttatatgtac ccgtgggtgg ccacattgtg tttcatgtat tntcattttc gttttcattt 180
actttntata cccctttttg acgtgcttaa gccatttatt taagtcattt ctcacctaata 240
ctaaaaataa aataaatttc caccgatcgt ttgaattgat aatccg 286

<210> 32990

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32990

ttttttgtta ggatgcttca atggaggaaa agaaagaggg agagaaagat agagggggga 60
gcacgaaatt gaaggaagaa aaaggagag aagttgaact ctgagttgtg tctcacaaga 120
ctatcattca tcanagttac aacaagtgtt tcacatgctt ttatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctctgaga aaacttcctt 240
gagaagctag agcttatcta cacacacccc tctcataact aagcccacct tcttgagaaa 300
cttccttaag aagattccta aagaagttag agcttagcta cacatacctc tcttatagct 360
aagctcacct ccttgagatg a 381

<210> 32991

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32991

ctgttngatg tgtggaggcc ttgttagtat ctcattgtaa ataggacac tatgcacaat 60
gttggttaata atcccatcta catcttttagt tcttattcct aacatatacg tctntatacg 120
cacttccatg agatgttatn gctctanagg ttatcttcaa gaggtacata atgtttattt 180
ctaaaatcat tgtcgaaaag gaatgtatga aacgttnttg ttccaacata ngttaatatg 240

gcttagcgta tggtttcggt ctcttctagt tcccgtgttg gtggtcggtc ttcgtctttt 300
tattcttgat ctttaagttt gatcttttaa ttattgccat ctgttccata ttncggttat 360
gtnggtttta cttttgtgat ntacataaat cttgctggta tgtgt 405

<210> 32992
<211> 75
<212> DNA
<213> Glycine max

<400> 32992
tcatgatgac gattcaagct gatgcaagca gtcttgatgt ttacgtagat gatgacacac 60
tgctctaaga gtgat 75

<210> 32993
<211> 113
<212> DNA
<213> Glycine max
<400> 32993

ttgttgtttt cttgacaata ccaaacaaaa ctgggaatga ttgcgagtct tcatattggt 60
ccggttaaggc acaccgtcct ctactacttc aactactggt agatgccact tgt 113

<210> 32994
<211> 280
<212> DNA
<213> Glycine max
<400> 32994

accagcggga cattactctg agggcataaa tggcatataa cctcctcca tgaatgcaga 60
catcaatgta aattgagagc aagcttatgc gcatattttc ttacaaacgt tctcctgcac 120
aagacattct attaaccgaa aaaatgcacc catatacaat caaggcagct gcgtcaccta 180
gaatatatac acgtacttcc aaggtgtatg tgttacttac atcacacaca tgtccttggc 240
taaattcaca tacatgcata ctctaagcat tttgggtacc 280

<210> 32995
<211> 485
<212> DNA
<213> Glycine max

ttatcctggtt acgatttgag attcgatgct ccaaaccccc aagtagctat attctcaagc 180
 ccgttaggac ctacgcttgc caaagattat aaacatccgg cctcaggacc agatccccaa 240
 ctaactctgc ctctctcacg ggcactatgg cctatagtgg agatctgcaa tttgcctttg 300
 aaagctgaga tagacagc 318

<210> 32998
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32998

ccagagagct agagacntct aataaaccoca ccngggaggg gaaaacggga tttgttattg 60
 agtncgacga gaagggttta ttaaaagttc tctctacaga gatatatcta gagcacacac 120
 aatacaccat acaaggcact tagagtagcg tgaaagtata catctcatac ctcttcaact 180
 tccttagaga ttgtcccaat gtggtatgta ttgtgctccc tattatatac taggctccca 240
 taagaccttt gggtcaaaac gttatccata ttctctacat tttaaccggg ttattataaa 300
 acatcttatg gcttgatatg gtcacattgg tcaggcttga aatctatctt tatagcggag 360
 atgtattctc agaaactaag accttttgc 389

<210> 32999
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32999

atagtcaccc tcgatacaag accgagatga ctatagagta gtattccctc atatttgatc 60
 tccccatatc ctacaactta gtatatgtgt tattatcatt tcgaaatggt gtgacatgtg 120
 tttcaataaa tccaacgaat aaaaacacaa taaatggtaa aacaaggatt ctttgataaa 180
 ttatnttcac ctcacacgta gatattataac atgttcttag ttaagta 227

<210> 33000
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33000

aataaacaac cacggactct attgaaatTT ggacctttat aacttggacc catgctacta 60
atagcatcaa tcataggtng ataatatgct gaattaattg cattaaatgg cacagaagca 120
tcaatcatcc actttgcaat ggcaaggTca catttttcta tgactacctt actttgcaac 180
ccactcttta aagacgttga gctctacggg ttgttttatg catgaaatac tgacctatgc 240
gaatgatgtt cttcccttat ttaggtggat tgagattaca tactcttata gtgctctgca 300
cttcatccac aactattctc atttgatctt cacagattca ttactatcca catatgcctc 360
tcgacatttc ttctcttggt ttacgtcaat caagattatg cttcattg 408

<210> 33001
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33001

gataaagaat cgnnntgnnt gtagcntcgg ancntggTta ttacgcggag gaactgatcg 60
nggtacatag aacacaattg ncttataana aacggaccCG gggagggttg aggttgggCC 120
ccttgtgaac ccacacaaac attggccttt cattgcgcaa cctggaacca atggaccacc 180
cggagcttaa ggctgcaaga attacaaaaa aacggcccga ccctagcggg gaaatccacc 240
ccagcncaag cattatgacc cttgcagcca cagatagcac cttgagtgga ggatcaacct 300
aacctcagaa tgccancct tcacaacaac caacgcaggc tgctccttct taaaaaggc 360
tgtggccgag cgaacataca ttcttaccAA tccacaacag aacaacCCag aacaggcaca 420
gtgaggcctc cacaccttc tcgagacntt gagagcaatg atatgcgaac atcagttcac 480
aggaacagag cttatcag 498

<210> 33002
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33002

nngggggcgc gccgatttta tgatacctaa gcattgcata nccgttanAn tannnangct 60

tacctaagag atcatatcac caagcctctc catacatgat acaaataaat atgggaacaa 180
 tgggtctccc tgacgaagcc ctctcacagg aataaaacta ttttttggtc tacctccatt 240
 ccacatgata gaaatagaag tagatgacag agcatgtata atcacagaca taatgggtatt 300
 atgaaaataa caaaaatnaa aaagagtttc ccaccaacaa aatcctagtt cacacgatca 360
 tatgcct 367

<210> 33005
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33005

taacacaaca caacagatcg ggaagtagcc taaccaaact ttgatgcaat ggctttttnnc 60
 ncnngnncg ggaggggtgtg gtgttgataa catcccaccc cgctctccaa acacaaacta 120
 tgataactgt tttgtagaca tccggcctat ttaccagtgc tccacacagc ggcactgatg 180
 gacgccagta ggctcgagtt acttcttcta tgcttacacc cctgntataa gaacatacta 240
 actacgattt ccncaccac tgccggatgt cctcgaaggc aatgacgatt acaaactctg 300
 tgtcttctca cctacatcga tgtacactaa acccgatgatg tggacgctat tactccaaaa 360
 tcataccttc gccgattcta tgtgaataca gctctagcga ctttctagtc tcatcaattc 420
 ggctaggggc agcgaaagac tcacttacca tgggtgggatc taatacatct ttagaccccg 480
 cgctagctac ctgtcg 496

<210> 33006
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 33006

ataataatag tgggtgtagc ggtattttat cacaccttat ctcatccaga gtttatactg 60
 tctagactat atcatattca aatcttattg cgtccagatc gtatgtcgtc acgtcttattc 120
 ttatcttgtc cagacgttat gtgatctggc tcataagtct ggacttaaaa tagatttgta 180
 agtattgggg ctgaagacct atataacagc accaatgtga taggctaggg aggttttgtc 240

cgagaggag aaggattgct gggttgtagg aattcagcgt atagtactgt ccatgcacac 300
 tgctcatgga gaggaataatc gtcgttgcca acagcttaat ccatactgtc gaaatgatgt 360
 cggatgatatg cgtagggtac ttcgcgcgta acgacctgaa tcataagata tgggggtcgt 420
 atcc 424

<210> 33007
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33007

naggagggca gatgactagg nccatgcanc ancgcgacac ntnaatnnac tcaacctngg 60
 cacgatntat gngaagcaca gtgactggag catattttgt tatgaatcat ccaacataat 120
 agggagcgaa ttcatagtga cccgttagta caaaacgcga gatgactatc tagaaatatt 180
 cactcatatt tgagggtcgac atctccaaca actctagata gtgggttatga gaattctcag 240
 gagaatggag ctagagccca tgatgaactt ccaacagaat gcgaagcctc aacagatcat 300
 gcgctcacca ctatattggt gatatctcaa aaggagcaac aactacatag tctcttacag 360
 attatgcacc aacacgcttt cttgccatga tggagcctaa atttatagaa cccttggagt 420
 gaaactgaac cttgccctcc ataaaacggg acaagtcgaa gaggcaacgt ggagcccgat 480
 aaaaccttta taatccgtgc tcgaacaaag gggttttaaataa ataatcn 527

<210> 33008
 <211> 169
 <212> DNA
 <213> Glycine max
 <400> 33008

gtcatagcat gaacccacgg gcaaagcatt tatgcccggt tggcccctac aagatttacg 60
 gtagccacat cgtaaagctc tacaccacaa agaatcaaag ctctttggag tcccagatct 120
 accccgacaa ctcttaacgc ccaccagact tcaccccaaa ttctacccc 169

<210> 33009
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33009

gccgttgat ctagtactnn ctgannaacc aacnnaaac gaaccnagat tgaagagacg 60
gacagactta gattctatgt ttttcctccg cggacgcggg agccacgtgg accagtgtgt 120
aacttcttat ctctctccct aattagttac ggggcaacaa ccgcgtaaga catctactgt 180
tgtagccgca tctatctgcy agcggatctt gcgttgctgt tgatcactcc catcagcaca 240
tgagcaatac cacatacaac cattctaaca atgagctgag tctccaaaag acggatacca 300
caacgcgtcg tcttcggcct acaatactac ggctgcccgc accccctatg agctccacag 360
gacctattgt gacggcaatg gcagtctcct ccaatcggtc ccccttcaca agcccttttg 420
caaacgagca taacctttaa ctcatgatct cacagtaaca ggtcttgtaa tactcccacc 480
gcaactcagc ctgacccc 497

<210> 33010
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33010

ttaaaagtct tattaattag aaaggtggag ctttaggctt taaaaaagcc tattacgctt 60
gataggttgg tatgtttata taataggctt catgaacgtc aagaaaataa tgtatataat 120
gatacttgaa tttcattntt gtctactaaa aagatcataa atgggtcttt ntgaacatca 180
ngaaaataag ttacccttat taagaggttt ttcttttgct ataacatcca agaantnaat 240
gcaaattgag gataaaagat agtgacgaaa caagtcatga gacatanaag catcaagatc 300
tcagtcctag ccgatgatg atg 323

<210> 33011
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33011

acttgggttt gccttggttt atgnacnntc agannnnngg natagatata cattttnttt 60

gccccaacccc cgcggggttta aacaaaaccc ccccccccca cnnncncacc ccaccaaaca 120
 caaaaacaac acacacacaa gaacaccacg aaaaggcgat ttaacggggg atgggtgtaat 180
 aaaagaggag ggggtgagga acatgtggag ctggggtaat gtgcgaggag atattacaag 240
 tgcgggtatg accagatact aagatttaaa atatatatcg ggggttttagg tggaccggta 300
 aacggataag tggagattca agaatggggg gg 332

<210> 33012
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33012

agcttctccc cctattttct atatataggg ggagaagtga agtagagaag gggttcagcc 60
 ccttaggcac ttctctctct ttogaatttg cttagaaaaa ttgtttccgt gaagaanac 120
 caagtcgagg cgcttccgta acgtttccgt aacgtttccg tgagtgattt cgtgaagggt 180
 ttcgaccggt cttcgacgtt cttcattcgt tcttcacgtt tcttcagtct tcaacgggta 240
 agtacctcaa accaagcttt ttaattcatt ctatgtaccc gtgggtgggtcc acattctggt 300
 tcatgggtatt tttattctcg tntcatttac tttttataacc cccttttgac gtgcttaagc 360
 catttatnta agtcatttct cg 382

<210> 33013
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33013

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 accgnnngac gcgnataagt ggactgtgtg gcaagtcanc aaataatgng ttatactcgc 120
 gaatgggacg gacaacatgg aagggtggat gattcgtcaa caagaagcaa atcacaccaa 180
 aggcctcatt ttcgcttcaa gtactaaata ctaggattag cgttcacaca accagagacc 240
 ttgactccaa aactctctta aagatcaacc ctctgcctca caatgaaatg tgctctagtc 300
 attcacagca cgtgtatgcg atcaccaata catgctatcg attacacatg gtttgaaagt 360

gtgcaactcg atacacatca tatgtactcg actacaagag actctgaaac gtggtattca 420
 attctaataga atgtcacact gtcaagaaaa caactgtgta tcgatacact attctgtatc 480
 gataccaaga gattttatga tatcgacccg cacatcttca ttaattggat gcctcaagct 540
 ataaagtact ggccan 556

<210> 33014
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33014

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 tgcgcgcata atcccacat ccgctgttgc ccacctccat ctgagctcac gtactcccac 120
 gtagcccata ttcttatttc tctcaacacc ggggtcccat caatcctccc aagtttctcc 180
 aacatcaaag taatacaaca ttcacacagc acatgctatc gcagccaagc ataacagggc 240
 aaaggcagaa tactctgccc aataacacca accaaaatca cagcttttct cacttaaaga 300
 cccagtaac aatttcttcg atccaattcg ttaaccgttg gatcgactcc aaaattgtat 360
 tggaagtcta taatgtatac gcctacatt 389

<210> 33015
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33015

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 tgattttcttt tgtttcacag agcgggcgct gtacactaac tatcaaactc ttgccttcgc 120
 aaggaattgg cccaacgag cttgccttca aagagttcaa gaatggacaa gtaaccact 180
 gaactagtcc gctcccgatt atgaccgtac cgctcacgag cgctgacacc accactcttc 240
 aagcctcctg gatggacttt ctctgggacg aactcccg ctaggacgag agttactgtt 300
 tccagaggaa taggcgccga cggggcatac tggcttctct ggcattttat cccattagga 360
 ttatttatcc atgttgccat caagaggcgc cgcataatc cggaaggcgc tgctccttat 420

cctccatccc actctgatcc

440

<210> 33016

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33016

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naggctagtt catatcttct atgggtgaagt gtcctcacat aatgggacga gttgtgatgc 120

tacttctggn ggaaaccttc actactggaa aaagggaatt ctatgtcggg tctacaacac 180

ttntaagac ggttttgaac tgtctttggt accaacgtcg tagaaagtca aaactttcta 240

agacgaattt ctgaaaaaaa taactgtctt agaatgtatt ttttttaaaa aaaatanaat 300

aaaaattgag aattctaaga tgattatctg gaaaaccatc ttagaatgtc tacaatctaa 360

gaaatgtttc t 371

<210> 33017

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33017

ntttaggga tccgangatg accntnatc caacngcatg acttataccc ccaacatgaa 60

aaaatttttt acccataaagc ttaccacgcg cgtgataaat aaaattcaat tttaggtcca 120

atcctttacc acaaccaccg attaaaaaaa cnttgattct tggagaaatga cccaaacggt 180

attggtgcgt actacattat aaaacaactt tgggggtcac gagttggtgg atctgacatt 240

ccacacaaaa ttttctcca aatagctgat acgtaatctt ctcttttgaa catgttggtg 300

tgtgtgttga cactctgaac taagcaccca acaccatata tatacagaag agtgaagaga 360

aatcagatat tttgtagaga gaaaaaata aataacaggg ggggttttctt ctttcttctt 420

ggtcctttca gattggtccc acaacacttt caggaagcaa n 461

<210> 33018

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33018

agctnctact tatgtggctt gttgggtgctt cttcaccttc ttgtctgcaa cgcgaatatt 60
gaccattggt cttccttccc gcaatgcttc ttttcatgtc tgcttgagtg ggcttatacc 120
ctaaaccata cttcccacga tatccttgag tatttatcag gctagtaatg ccgccgttgt 180
tgtttcttaa acccatcccg ggttcaaaac cgttcccca cataactcgg gccatcatta 240
ccactgcac ggacagacaa agttgcccac agaggaggag cacggaggag atgctgacca 300
cctcacaaga ctggaaagca gtttctaacy attcttctgc ggcttccaca taaggcatgg 360
aggatgggca gcttaccaag atatcttact cgcttgacac 400

<210> 33019

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33019

gcagtgatga tcttacgacc ctganacgag aacnnnacan annannncan naatgacccg 60
ctaacctaga atantattat cttancgtc ttaaccnang gatttagaag agcttatggg 120
ctgagtgcaa cttgaaatcg tgcaaccac aagtcacccc taccgcccac catggcatcc 180
cccttttggg ctccagacag gctgatgctt aggtggccat tggacccttt ataccacttg 240
aactaaacct actaaagccc tttagttgat aacgcacaac atatatttgt cactcaacgt 300
acaatgattg agccatatat aactactcac actctaaaat gaacatagtg tgtcattaat 360
cctctcattt ggcatatata actacaactt gactgtctct tgaactgggc tcgtttctat 420
agatgacaca cttgtgagag ctnccttgctt tcttgtctag cctgtgaaga ctcagcctta 480
gtgatctt 488

<210> 33020

<211> 274

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33020

cagacatcca accatactat aaggacaatt ntcagtttct tctaaacttg ataacttatt 60
 ttagccccac taatcctaca agagagaata tagttctttt tttaaaaaaa cacacaatta 120
 ttttcttctt tggaagcctc tttggatctg tgcacacctc agttgcttat cagttaccaa 180
 atgagcaatg acaataactc attgttgcaa aaattgccaa aacctctatc ctctaagtga 240
 attacaagac gcatgagtca aacttcgcta ctcg 274

<210> 33021
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33021

tctggaacgg aggaatttga tacataccaa tgcaaacacg attagactat caactatctt 60
 tgcaactctt gatagacgtc tgatagggga gaatgaacaa caagctatta agtggctact 120
 tccttcaaga tcattgcctt cctttattcc ttttcaaaat gtntctgttg aaccaaactt 180
 gaacgtctga ttctacccta gtttcagagg acatcacatc ttggaatgga aaacctgcaa 240
 caaagtctga agaagacaat ggatgttggg actcaagttc ttgatcctaa gatgaanaag 300
 ctcanactaa agaagctaaa tctacttaat ctct 334

<210> 33022
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33022

agcttgctt gctcatgata tatttgangg acttatgatc actatgaatg acaaattcct 60
 tngngataaag gtagtggttc catgttttca aagcccgtac taatgcatac aactccta 120
 cataagttga atagttaagg gtaggaccac ttagcttttc actaaaataa gcaattggat 180
 ggccttcttg catcaacaca gccccaatcc caacatttga agcatcacac tcaatttcaa 240
 aagattattg aaagtttggc aacgcgagta tggnggcatt agttagctnt tgcttaagaa 300
 cattgaaagc ttcttcttgc ttctcttccc atttgaaacc aacatttttc ttgagcactt 360
 c 361

<210> 33023
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33023

cgcgnccta aagaaggaa ttgnngcang natcccctgc gaanntcaca tnnacnnaac 60
 nnnanganctac ttattgcttt tgcacatggc cagaanataa gtctcatnca tttatgacgn 120
 aactcctggg gtgtactcat ctatacaagc aagtctgct atgcatcaag tccttgactn 180
 tcaagacact gcctgagctt caacaatgct cggctctcca actgtcggac nactctcctt 240
 tgggtcaaacc aaacaccttg ccaatgtctg acaacgtttt ctctcgcga tcctcaatac 300
 canatccttag ccctgatatg cccctttctt ttgggcttaa gatatttaga ggggtgtgcac 360
 atgcatcctc attagctgtg gtgagaccag tcacatctgg gatctcaant tgctgagtct 420
 gcagtaatct cctgcaattg gataacaatg tgatcaatct gcgacattca taatanntat 480
 gttgctcaca nanggcagaa gggctctattc tgaccatacc caacattctc cacattagga 540
 gaagaccacg ctacagaaat tn 562

<210> 33024
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33024

agcttgtgtt attctatntt cctctcacc tccattctta caaaaagctt ttcaagagac 60
 ctactattgg tgactgtntt tcaagagaag gtcttcttgg ttgaacactg aacacaaggg 120
 accaacattc cttggattca ttgtaagaag cgggatttgc ttcttggttg atcactggac 180
 acanaagacc aacgtctttt gggttcattg caagaagtgg gtacaacttc ttggttgtta 240
 tcactagaca caagagacca acgttccttt gggttcattg caagaa 286

<210> 33025
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33025

ataagctgaa ccatgttata aataaacaca tgttggtgtt tattcagaac atnagaaggn 60
 atctgcttta tcttagtgag agtgattctc ctanattctt gagtgattca agaacacctc 120
 ggctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa gagtgattct 180
 ttccttcctt tcatcatcac ccttggtctt tcacaccaca attccagaaa atccacctct 240
 gccagaatt atctcgtggc cataactccc attttacgca ctcaaattaa gtgattcttg 300
 agcctaa 307

<210> 33026
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33026

acaaganaaa aactagnata tgagtacatg gataatggaa gcctacactc ctttattttt 60
 ggtacgtaat atgaagaatg ctttcataat tcgattaagt ggacttgcat gtttgtttgt 120
 ttgttttgct ttttaattcc agtcacaatt agcggctctt taatcttgaa tatcttatat 180
 tgaatgaata gcttgctttg taaaatcaca gataaaatan agggtaaatt tctggattgg 240
 cctcgacgct tccacataat atttggaata gctcgaggac ttctgtatct tcatcaagat 300
 tctcgattaa ggattatcca tagagatct 329

<210> 33027
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33027

gagagagacc aatcatgagc attaatatgt tcttgaaata ggagttagct gtttgctcaa 60
 agtccaaaag aaacttgtct cagcgtctat gcganacana gaccaacatg ttagccatcg 120
 tcagncagta ccaagaagaa ctaaattctag ccacgacca tgagcataaa gtggcgaatg 180
 agtatgcccg agtatacgtg gaaaaagagg ctagaggaag ggtgatcgac tcattacatc 240

gagagggcgac aatatggatg gaccgatng ctcttacttt gaacgggagt caagaa 296

<210> 33028
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33028

agctntaacc ttatcgtctc tcacagtctt tagatttggg agccaatcca atccttgtgt 60
tcggactctc agccacttat gatagctgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacaccg catcacatgc cttgtgaact ccttagagta ccctcgatt 180
ggggttactg aaaccccggtg cgatgaaagg cgtgatgctt ttgtctgatg gcactcctct 240
catggggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aacncttgt 300
tccatcaagg gaacatttgg aca 323

<210> 33029
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33029

agcacgtgaa gacatggcgc ttagtgcaag ggttgcacgt agncggtgta aaacctaataa 60
attattctaa gtcttttctg tccatctttt cacctaagct taaaaagccc ccttggtcac 120
tactaaacga actgaaaaat taatcataat cataagcaac tatectaatt acatgcaaga 180
gatacaaaat gacaaagaga anagggaaag actagttggg ttgcctcca ataagcgctc 240
ttttaatgtc attagcttga cgcacatcc tgttatcctg tgtccaataa ggttccaact 300
tccagaacct tcttctntag tctttttttt ttcacacat tgaccttcaa acaaaca 357

<210> 33030
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33030

agcggcnnc aacnncagaa gccgagcgtt gcnagnccga taganaacca nnanttacan 60

annacgctg gngngtaaac tgggctgaag ttcattttag ctttaactgc agaactgcag 120
 ggtagtagga attgactgta tgcactgcaa tatgtctgta tttggtacta ataaactgag 180
 atctaacagg tgtatattaa acagaaaacc ttctcgaggt atgcatcaat tgtataacat 240
 ttgacagaat agcttctctc gatgacactt aaaaacctat tttaatatat acatgacctc 300
 tgagtctatt gcataagtac ttctgtcatt cttagagcac taggtccaca cgaatgcgat 360
 aagataatgt cgtcgaaaga gatatttgta agaatcaagg atagtttact ttgtataaag 420
 gcagggttaga ttaacatcaa atatggcctt ctagaaaatt aactggga 468

<210> 33031
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33031

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 tgctgcttat ctactatcct atcatgagtc tattcacatt cttttacatg tctgttcaag 120
 ttgttggttc catatttatt acttttgcac ttataacctt ggtcacaatg cttatatata 180
 gcaacatccc cttccctatt aaaatg 206

<210> 33032
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 33032

agcttgaaca aattctcata aattaaatt gctttgggct cagtgagact gactcgcttg 60
 cccaggctta ttcaacctac aaaggctggg tggcttaaag agactaactc gcttagccac 120
 caacaaaaga caaaaaacat cttagactgt ggcctaagaa acacaacgcg ctaagtgcgg 180
 catgctgact tagcgagttc atatgacact taaacaaaac aggaaattta aactctcgct 240
 atgcccgaagg tgcaatggct tagcgagttc atacaaacat tcatata 287

<210> 33033
 <211> 261
 <212> DNA

<213> Glycine max

<400> 33033

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aatcgcgca taaatacacc atccccctgtt gccacactcc aactgagctc acgtactccc 60
atgtagccca tatectctgt tttctcaaca ccgggtcccc atcaactctc ccaagcttcc 120
ccaacatcca tgtaattcaa cattcaaaca acacatacta ccacagccaa gataacaggg 180
caaaggcaga aaactgtgcc caaaacacca accaaaatca cggttttttc tcacttaaag 240
acccccgtaa cattgccttc g 261

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<210> 33034

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33034

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agcttataaa atgttccact ttctaatacat gtgaaggcca aattattatc aaacaagggtg 60
ggaaaacaat tatcaataac aattatcaaa tgtcacagca tatttgtttt tgacatgaaa 120
gtacaataag catggtgaga tccaactaga atagtataaa ggcatgagag tttcatcact 180
tgtacatgac atgaagggg atgagatggt catgtgcagt gtattgttgc aatgaanac 240
aatatttgaa ttattatggt gaaaatcact gtcaaaactct ctataatagg acaacattga 300
atgagtcaat tattttaaag gaaaaaaaag cttgaagatg ttttaactta ttttacaagt 360
ctcttgatac cttatctaag agctatgcca tcttataaaa gatcactttg atcatgtcag 420
gccaat 428

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<210> 33035

<211> 519

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33035

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nagcggcacg tgtacaatan gcaancctaa ttcattcnnn ccggacttnn tggangcaaa 60
tggaagaattt tttttcttna atgccnccct cagggaagag ggcgttatgc cttctccata 120
aaccaaacat ttatgtaaag ttatagcana ctcatgcgca tactttctta cgaacattca 180

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ctcgcacaaag atatttttct aattaagaga aacgcgcccc cgcacaatca aagcgccttc 240
 gttacctaga acacttatat gtaccttcaa ggtggggttg cgacctacat cacatgcatc 300
 ttctttgcgt aattataata catgcgtact cgaagcgctt tgggtaccaa caaatgggta 360
 cgcgcccatt ctgggagttt catacccata ctcacacaac acttttgatg aatctcgtgt 420
 gccaccccaa caaaggggcg gcactatatg cgcttaatac aggggtttgt tcctataacc 480
 gatggcgaac ctgttatatt tcttgtagc aaactgcgt 519

<210> 33036
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33036

gagagtgatt catgaccctt gacatnacn cnagccaaca ccgnggccca gagagggaaa 60
 cttgtttttt tttaccaaac caggtgttta taagaaaaat atccttcgca acactttcta 120
 aacgaggatg gggaattgtc caccaaatg ataggtaatg tttaatgaac ttaaacaacc 180
 ttttctttaa aacaacgtct tcaataaact tgggcaatca gactaaaaac agggaataac 240
 ccatctagaa ggatctgagc tctacactgc aaatccgccc gtatcttggg ccttccaaga 300
 agagtctctg ctacttacat tattacgtag ggctgaaaa acaggacaaa cacgggggctt 360
 ggctcttaac agccccaatc caaatataac gtaatgaacc aagaaccctg gtgctccacc 420
 ccactttgta ttcaaaagca acg 443

<210> 33037
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33037

agcttgctac tactatcttt tcctttttga ngatgacaac ttctgagatc gagagacaca 60
 cacacacaca cacttggtcc tagccgatca ctcacataaa tttccattct ccccttttgt 120
 ttttgaatgt atgcttctct taaaattaag ttgattactc atgtgagttc ttgatttaat 180
 cccattttct ccccccttt ggcatcaaca aaaagccaaa gtgcgtaaca agtataagac 240

aatcatacac tattaatcat tcacaaggca tgcattgaag aatataaacc aatcatgaag 300
 caagaaacat gactagatca gatataattaa acaaatacaca tagtcatcta acataattca 360
 taattgttca aacacac 377

<210> 33038
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33038

gggagatgga agcttgagat cntcatnatc acacnngacg caacggganc atacatgtgg 60
 tacagggtttt ggtgtcnatt gtcacacaag ttggcactgc catggcgcat aaccacatc 120
 cctgtggcca cttcaactga actacgtact ccaagtaccc aatatctcgt ttctcttaac 180
 accgngtcc ccaattaatc cctcttcaag ccttgccaca acattgcaag ccagaacaaa 240
 ccattcanac aggcacaatg ctatcacagc caagccaaac agagcaaagg cagaaaactc 300
 tgggtcanaca ccaaccagaa tcacagctgt ttctcgctta aagaccccag taacaattcc 360
 tttcgatcca ttctgtaacc gttggatcga ctcgaaaatt taatggaagg ctcttgatca 420
 taagcctaca ttgtgaccgg tgggatctac tagcaaacat tcagaactca ttctgcacta 480
 gactttcaca gccaaccaac acaagcattt tcttgacttg g 521

<210> 33039
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33039

gnnccctatt aaccgagtca ngancnctg nnnatctgac acacnnangc caagcgcgac 60
 naggnnnagn aaggagaagc caatttactt tnnngacttt ttgacacgcc ggcataaggg 120
 caggagggnn ttctccatct catatcattc gcgcatcagc ctcatcatga gtacgtcgaa 180
 agacaaattt ctcaatttat caaacgttcg tacgaaggct acactcttct atgtaaaata 240
 tctccacctt atcataatgc aactcactac gactctgagg tagcgtagta taccgttttt 300
 ggcacaacat cagcccccctt gggtgcgaaa cacactctgt ctgaatcaag ctacctatta 360

cgaatcctgt tttgtcgcga cgtgtgaata ataaacaacg ctctctcttg cctatcataa 420
 tggatcagac tccttggcgc tacttcaactg ctttgtggaa cttgcccga tggccctggg 480
 ttagaaacat ttttggttac 500

<210> 33040
 <211> 336
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33040

ctcacagnnc tttagattgt gggagcgaat ccaatccttg tgttcggact ctcagccact 60
 tatgatagcc gccgatgatc ccattactgc ttcccctaag ctctctatcc tttcttcacg 120
 ccgcacccca tgccttgcca actccttggga gtaccctcgc gttgtgggtca ctgaaacctc 180
 gtgcgatgaa aggcgtgatg ctttcatctg atgggtactcc tctcatggga cagcccaact 240
 gtcttatggc gaggactgga ttataattaa tacaaccctt tgttccatca aaggagcatt 300
 aggacatact tcgcatgaag atagaatact gattct 336

<210> 33041
 <211> 210
 <212> DNA
 <213> Glycine max
 <400> 33041

attatatgcc ctaatctgac tccgttgatt agtatgacaa tttgaattct ggagagctgc 60
 cgttgtgcaa tttcgagcgt cttgatatat tatgcgcctg aattggactc tcgtgtcata 120
 agtatgacca tttcattttc tcgagacctt ccgttgttca atttcaagct tctcgatata 180
 ttatgcacct gaatcgtgac ttogtgtgac 210

<210> 33042
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33042

agcttctccc tcttttccaa taaatanggg gaggagggca gaacaaanag gttcaaccct 60

cctgatagct gagaatcact tgaaattagt gagaaaaatt gtttccgtga agaaaatcca 120
 agtcgaggtg cttcctttcg taacgcttcc gagacgtttc cgtgggtgat ttcatagaaga 180
 ttttccgccg ttcttcacg ttcttcgttc attcttcate gntcttcaac cactaagtcc 240
 ctgaaatcga acttttcaat gcattctatg tacccttagt gggccccact tgtttcgcat 300
 gcttttattc tcatttcatt tactttctgg accccctggt gatgtgctgt aataatgtat 360
 ataaggcatt ntctgccta atcagaaaat aaaatagaat tctaccgatc at 412

<210> 33043
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33043

cccgcggtc tctctacac naaccggaa ggggtatagt tcccgaagg gggtaagcaa 60
 aatttgaaac ccctcgttc aggcgtggaa ataccggac gctttggggg gttcgggggg 120
 tgattcggag atcatctgcg gggacctgct ggggttcgaa acgaccggc gggcctcaag 180
 gcctgcccaa ggggtgaac 199

<210> 33044
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33044

agcttaatgc tgtatggttt gtaaacaac ataaggcgag gcttggttg aagggatatg 60
 cgcagatgtt cggggtagac ttctcagaaa ctntntcttc ggtttccagg ttggatacca 120
 taaggctgtt gttagctctt gctgcacaaa aagggttgat tatacatcac atggatgtta 180
 aatcagcctc tttgaatggg cacttggaag aagaaaattt tgtagagcag cttgaacgat 240
 ttgtagttca tggacaggag gagaaagtct atcggtgaa aaaggccttg tatggcttan 300
 agcaagcccc aacgtcttgg tatggcagaa ttgatgcaca tttgataaac ttatgctttg 360
 aaaaatgtct aagtgagttt acc 383

<210> 33045

<211> 330
 <212> DNA
 <213> Glycine max

<400> 33045

aaaaaatatg cttaatgcga ctatccatgc tcgtttgctt gtttcaaccc gtacaagacc 60
 ttgtttaatc tgtaaaacttt atgctcactt ccaatcttga cataacccgg tgggtgttca 120
 ataaatactt gctccttcaa gtatccatgt aagaatggtg atttaacatc tagttggcaa 180
 atggggccatg aatttttatgc cactaaagca atcatcaatc tgatcgtgtc atgtcttgca 240
 acttgagaaa aaacttctgt atagtcaatc ccatattgtt gcttgtatcc cttcgccacc 300
 aaacgtgcct tgtacttgtc aacttcacca 330

<210> 33046
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33046

gcagtgttct ttagatgtgc aagataaagt atattgcatt aaaaataaat gagataaggg 60
 aagagagaaat tgtacattcg atttattttg gttcggtcac ttctgtacc tacgtccagt 120
 cctcaagtga ccacttgag attttctact atccttgtca attctttata atttctgaac 180
 acacattgng attcctcacc cttgtgtttg agtttctcac atgccaagag ataaacaatc 240
 tcttgattac aactattgag ttttattaga tgaacaaaat gatgtctctc ttt 293

<210> 33047
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 33047

catcaagctt ttttttttgt gcatagaatg tggggaaaaa ctagtaagtg tcatgaatct 60
 ctgacataag cttcaaccaa ttaacattgt ttgaatgaca actggtgtag ttgcaccgca 120
 atcacatagt ttgtccacca tggatatgctt tatgttccta ttggttatag ttttggtatg 180
 ctttatgttc ctttggttat agctttggtg gtagaatgtt taatttgagg tccacaagag 240
 gaggatctcc atatggtgct ggagttattg ctggagatgg tagaagacaa gcaagtgaaa 300

tggagctgga gctcgagag tatcatggca cgtatatatg aaattagccc ataaat 356

<210> 33048
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33048

cctcggggcc atttcctgcg aaggcaaaaa ttaggacatt tantttacca gngggacact 60
actcttagaa canaatggc atacaacctc ctctcataaa taaaaacatc aatgtaaatn 120
tagagcaagc ttatgcgcat atttccttat gaacgttcac ttgcacaaga catcctatta 180
actaagaaaa atgcacccat atacaatcaa ggtagcttca ttacctagat tatttacatg 240
tacttccaag gtgtatttgt tatttacatc acacacgcct ccttggctga atttacatac 300
atgcatactc aaagcattnt gnggtaccaa anactgcaca tgcgctcatc ctggtatttc 360
taatacccat gcatatacaa acttcacgat gaatctngac tacctacaca ataaggtgct 420
acatttca 428

<210> 33049
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33049

agcttgtatc tcttataaga gaatgagcat gtgattggaa gtgtgactga taatgttact 60
cactttgtca gattgattgt gaaggaatac attaattgta tcccaatgag agtgtgatcc 120
ttaaactttg agagaaatga ctatcattta gtactgattc ttgcatgaat ctctgaagta 180
ttgactcaat gcacgatatt gaggatgatg aacgccatat ttgattgtga tagccactta 240
tccacanagc tgaccatgtg cttgaatgaa ttatccctta tacctcattt gagctgaatg 300
aatgattgat tgattgaacc ctgagccta 329

<210> 33050
<211> 151
<212> DNA
<213> Glycine max

<400> 33050

taaatcctac ctcattggggc atataccaaa gctcaccatg cagataatca tacttttcat 60
gtgctagtcc tatagaatat tgaaaagagt gttcaaattg gtgggaggac ttgaacattt 120
ttgattttca gactatacgg ctttcctaata g 151

<210> 33051

<211> 558

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33051

cagggagagt tttganatct tgtangcatt tgnancnntc annaanntna gcgnaaanacn 60
ccgggaggcn ttagagacga cgagctttat gcaagcttga aggcctggn tatcataaan 120
gcaagncgcc ancgcagggc gcttttagcag cgaatagacc actcccaccc cgaggtgcaa 180
gtaagccaac ttgcacaaga acttacgaga agtctaattg gaatttatgg ctaccatgga 240
gcctaaccct tatgagcatt gtaaagcagt gtcataacg agcatgcatg aagagggcct 300
anctcatgat gttgctaacg gtggtgttga cgatgatagt aatgatgacg aagagaaaac 360
tccagagaga gaaagagaga gagagagaga gctgtgtgtg gaaaatgcag aaaaaatgat 420
gataataaga aaaattgtct caccgagggg gccgattcat gacgggtctta tatcccacaa 480
ccacgagtca ttagtgaggag aaagctaaca acggagcatg tattgagcct accaaggatg 540
taccttattc tttggccg 558

<210> 33052

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33052

gggcaagttt gttcttcggt gacctttgaa nacnaaacnn cacngaaccc nnnangagag 60
agagnngcct tttttanaaa ttctccaacg ggaggcaggg tcttcgtgaa tgcacaaacc 120
aactgccac aataaatgat taaggattat agactgaaat caatttatta tgcgcaggcc 180
atactgcac atcccagtct cgaatgccca attgacatat cgatatcact gacactctct 240

acaattatga cctactttgc aacacaccag gtgtaagaaa aaaaagccaa agatacactc 300
ctctgaacag ccaacatttt catattaaaa aacgtgtggt tacaccacac ccaaagatt 360
ctaaagatct catttaccaa attaccaaatt gaaaaagggt gaattaaatt caatctcctt 420
taccaagcgt ggtc 434

<210> 33053
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33053

agcttncatc agtttctgac ctctaacttc tcaaggaaac tttcttcctt gcttgccaag 60
gaagctacct tccttgcttc tcaaggaagc ttctcatgtg cttagagtcac accttccatg 120
cttctggcat ctaaagggaata taaactaaga tgcttttaac atattcttga aatattcctt 180
ttagattcac atgaaatgaa aattatattt accaagtga atttcattaa attagtgaacc 240
taagctgtaa atagacacaa gtgtaaatatt tgcacaaact taaatgaaag agaaacttgt 300
gagacacact tcanagttca acttctctct ctattctcct tcaaaatnca cgccacactc 360
tctctctctc tttctctcat tctctttctg cattaaaaca tcctctct 408

<210> 33054
<211> 531
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33054

nnnnnnnncc gactggcagn gtcgangaac ctganaacna acnngacaan acctncctgg 60
tcctgatgag ggaattatct tttntcttn ntccannnn gtganaacgc caaaagaagt 120
cgacagaccc aatgaataga attcatatat tccgaaaatt cccttcttct ttaaaatnac 180
aagaacacga tgcacttttg gattcccgtt tggggcctca cttgttcttt ttctctaccc 240
ttcaccacac attttctctt ccattgcccc natgcatgtc ctctntcttt tgttggtttt 300
ccattgtcat ttcgctgaac cctttctacc ctaattcttag agtacaatcc cctgctctct 360
ccgatcaacc attaccgact gtcaccacac cattctgtct tcgtgaacac cgtcatcctt 420

actactccta gctgggngca tctatgacaa tcgtctgcat gtcaccgncc ctcacctcat 480
catcctagac ctattgcgca cgctctttgc nacatcggcc acttccattc g 531

<210> 33055
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33055

agcttatctc atgtcagaca ccctaataac agcagttgca aacaatcaca gtttacttgg 60
tgccaactta aagtgggaatt aaacaaggta taaacttaaa gttcataana aagttaaata 120
atgctcaaaa taggcaatcc tagcttaaat tntaccctat ccttgatgtc acccaaagtc 180
ggcaagtaca acttatagaa ttctctcttg aatgcatcca caaacctaaa taaagtttag 240
aaaccatcaa gaataagaca attagaatct gtttgatttg tataaatnta agggacaaca 300
agatacatct actatattat agtatatttca ctttt 335

<210> 33056
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33056

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tccggtgggc tccatgaata tcttanccac tgtagtagca gtgtagtgca ccggaagtat 120
ccccatatgc acccctttgg agaaacgggc caccacgacc aggaccgcca agggcggcaa 180
gccaaactata aagttgaggg agaggtcctc ccaaggtctc gtcggaattg gtagcggaca 240
tagtaatctc tggctcctac ggtggtcatt cttggtctgt tggcacacga tgcacgtgga 300
gatgaacaac tggacatcct gcttcataga tggccagacg annattgcac tgatgcgagc 360
caaggtcttt gtattctcat gtggccgcca gtgggagtggt tgtggaattc tgcgacgatg 420
gtggagatgg cctgaagacc tttggg 446

<210> 33057
<211> 499

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33057

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ggtagagagg gancacttct ttttcanatg ttctgccacc cnangaggag ggtgctggag 120
ggctaagtat cnaaccacca gactctaaat ggcatggttt aagttttata atgttgtaat 180
aggaatgtag ttccatcagg cctaagttat taccgaaacc tctgagaacg gaaggtaatt 240
tggaatttgg cgacctcatg agacatcggg tggtggggtt taggcctcct tcgtacaaca 300
cacaacgtgt ttcgataaga gaaatgccca tatggatcaa ctctctagta caacgacccg 360
cgcttgtctt atctataata cagtcgctg cattactgcc ttacctacat aaagtactcc 420
attattcttt tgatgacacg ctttaccaag gctaatactg agagcttgac agaacagtcc 480
tggttggggc gtgcacatc 499

<210> 33058
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33058

agcttganaa attctcantc agatagttat tagtagcacc aaatatgata tcatccacat 60
atatctagat gattaggaat tgacttctat aatctttacg aaatagagta gtatctacct 120
ttccataatc tttgctttta accatacaag gctttattaa gtttgaatac atgatgaggg 180
tagatagaac tctcaaacct aggggggttg tccacataga cttcttcctt gataagtcca 240
ttaaggaaca cactntntac gtccatttga tataacatta taccatgatg agcaacaaag 300
gatagtaaaa tgtgtatcgc ctctagacga gtaacaagaa caaaggtnct actattatct 360
ataccttc 368

<210> 33059
<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33059

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ggggnctcgt ggacccgtcc cgangacgcg cancttnatt actcaaccta tgccgccaac 60
atctacaata gacctcctca acctcagctt ctattcagcc acaacagaat aactatgacc 120
tctgcaagca caggtaccat ccccgatgga agaaatcatc caaccctatt tggtcgaaat 180
cttcacaacc acaagcacia caacaaccct actttttcaa tgctgtggc ccaagcagac 240
catacgttcc tccaccaatc tagcaccaca gccacaacag aaacaacann acagtaaggg 300
cccctcgcaa cctcgtcttg agaacttgtg aggcanatga ctatgccaaa catgcagtnt 360
cagcaagata tcaaagcctc cattcagagc ttaacttatc agatgggaca gttggctaca 420
cagttaaadc aacaacagtc ccagaaatct gatagattac ctttctcatc tgtccagaat 480
cakananatg tgagtgccat tacattgagg tcangaaagc agtgtcaagg acctcaccaa 540
tagcatn 547

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<210> 33060

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33060

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agcttgaatc ggtctctcag tgtgtataaa gttatgagca ttntaattgc tcgacagctt 60
ccgttgttca ttttcgagcg tctctatatg tgatgcgcct taatctaact tccgtgtgaa 120
aagttatgac catttgaatt tctcaagagc ttcctttgtt caattttgag cgtctcgatt 180
tgtgatttgc ctgaatcgga catccgtgtc aaatgttatg accatttgaa tttctaaaga 240
gctttcgttg ttcaatttcg agcctctcga catattatgc gcccgaaatcg ggcattcgtg 300
tgataattta tggccatttg aattttctcaa gagtttccga tgtttaattt cgagcgtatc 360
gatataattat aagcctg 377

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<210> 33061

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33061

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 ctgatgctac aaggctatct atgtgactca acacaattct aaagtcttaa acaaaaggct 120
 atctttanaa gtaaactctt atctttacaa tcttgccaat actggatcat aggatattaa 180
 tctcatgtca tctatctttc agaagatctc ttctttttta tcgaaagata aagacgtgtc 240
 ttatggagat ttaccaagag gtgtctgggt aactga 276

<210> 33062
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33062

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 gctaacgctt cngattcaat ttcgagcgtc tcgatataatt acaggactca atcagacatc 120
 cgagttataa gttattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagctg 180
 ttcgatatat tactggactc aatcagacat ccgagtaana agttattgtc gtttgaatat 240
 gctcagggct tcagtattcc atttcgagca tctcaatata ttacgggact caatcagaca 300
 tccgagtaaa aagttattgt cgcttgaatt tgctcagagc ttcagtaatc catttcgagc 360
 gtctcgatat attacgggac taatcagaca ttcgagtaaa agttattgctg tttgaattgt 420
 cagagcttca cattca 436

<210> 33063
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33063

atactctctc taccatgtga nattcgtgct ctttatgggt tatgtgngtg gatctttaag 60
 catgtagcct tagctacaca accatcaacc anactaaagc attntgaata tggctttcat 120
 gtatcttgta cgggtagtca tataatctta taggctctta gcgaggtatt acactctgga 180
 taatttgtaa aatattaatg gatgacatca tcgaagaaga aaaattgttt gtatgaatnt 240
 gtttaaattg tattttaatt cttgtgcatt gcaagttgca acttaataaa ctggttgaat 300

gattgaatca ctcataaaaa ataaaataaa aaagt

335

<210> 33064
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33064

aggagtgagt gttctgtata ccttagnaac canaannnat ntagacnccg gataactctna 60
gacgagnnga ngcatgcagc attttcaata tttgngggcn ngcttctggg attgggtgat 120
tatttgaaac atattgcgca tggtatggtg atcgtaaca atgagataaa ctctgttatc 180
atgataaaac atagcaacct accaattttt gacatcatga tcaaaccaac aatgtacccc 240
atcaaaccaa aatattctgc caaaattctg aaataagggg cagctcgaat gacatctatg 300
acttgtaaac atgagaatat gtcttgattc caaggacacc tcgaatgggt ttgagattat 360
atgggttaatt taccattca ctgtgaatgc tttcactcct atttttgata tcatagaacc 420
aatctgcta cgattgaaag gcttgactc c 451

<210> 33065
<211> 204
<212> DNA
<213> Glycine max

<400> 33065

gacgggagct agcttacaca acgctacaat ctctttttat caacggcgag aggacctcac 60
aaatatctca gggaccaata aacgagagaa ctgcttaact ttttagggagg cgtataacta 120
aggagtgcaa aaaattatga cagccatata gcagataccc tcaaatactc gagaacgaac 180
agcagtcact acataaactt tggc 204

<210> 33066
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33066

gccccgagtgc tctgccacnt aatctagcag ctgacaccat gggaagatac ttttttgaat 60

gtcgcctctaa atgatggcag tagttcaata caaccaggca aataatttat catgtgatgg 120
 agtgtcatag ctaatatcaa acattaacaa gtaattgatt gccacccaac tcggtgggatt 180
 ggcttactaa cacaatatca aaaaaaccct tgctagttta taaagacacc ttacttattc 240
 cctgtacaac gttctaataa tactatttat ataacatttc caagcttcga gagctcataa 300
 cagtctatca ctatcact 318

<210> 33067
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33067

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 caattcgcta actttntacc aaaatattaa tttattaatt aggaggggca tacaaggaaa 120
 tatattttca aaacctatct aggaataaat ttaaataaaa tacaaaatca aatctattgt 180
 ccgaaggag cgccgttggg ttttctatcc taaatcctac ctttttccct tttcataatt 240
 ctactctcc gcaatattat tttccttcaa agtcattggg aagttaaaga cattnntttt 300
 ttataattnt ntgccatan aaaaaaata attccatgta tcgaanattg aatattcaat 360
 gtaaaccaca accttaattg aacattatat tc 392

<210> 33068
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33068

gggagaggag agtcagagaa cttganacca aacnatagca actnnnccaa cgtgtagacg 60
 aattatttac ctttagaaaa ctgcgccgtg gacagacatc gctatagaga tatccaactt 120
 ttagggcaca tgctacacaa ggcttggcat cagtacctct cagaactgag gcccaacaga 180
 catacatatc tgctaagaca tacttgttct tgcaaaacta catactacaa acttttcttg 240
 agccacctgt accttgcta gaagaacgag tgatgcataa gaccctgcct aagatcgctg 300
 ttcttcaaga catcaaggac cccagactga gcttacgcat tcagatggga ccgttggcta 360

ctcaattgga ttagcgcccg ttccgaagac tggatgatgaa tctctcaatc gacataatct 420
 caaagtgggtg ttgccactcg tcctagcgtg aaggtgtgca agactcaacc aaacaccg 478

<210> 33069
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 33069

tgaagctctg ataccacttg ttggacaagt ggcctcagat ctcttaacaa cggggggggtt 60
 gaattaaaat attcgaaact ctttcccctc attaaaaatc tatcttactt tttacttaag 120
 ttatgaattc ccttaatgac aatcttggtt tatattaatc cacatgaagc aacttgacta 180
 tgaatataaa gcactaatac ataaaggaga ttatcggaag agagaatgca aactcaatta 240
 tatacatggtt cggccacaca cttgtgccta cg 272

<210> 33070
 <211> 213
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33070

tactcacgct tcaagaaaag gcccaactct ccttagatat catatntcat gtttaaataa 60
 gtggctntgt tegtgttgt gcgcttagcg caattctgaa cgccttagcg cgcattagt 120
 aattatggct tagtgtggct cttctcgctc agcggatgga cttaaagcgggt ctgttttagcg 180
 gggtgaccct tctctcagct aatatgcaca act 213

<210> 33071
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33071

agcttntgcg gattttgnng tctttgccag tgaaagggaa atcgatgtgg ggtctaanat 60
 ataagggcaa gtttaagtca cccttggctt ggaccgaatg atgataaact ggggcaacat 120
 gaagaagggt gagggatgaa ggggagaagc ccgtgcttgt gaacttgcca tttccaatac 180

aagcccaagt ttctcaaccc aaccaacaa ttgtcattat ctcagccaat aaccaaact 240
tctcncttac tccaccgcc agttatccac aaaggccatc cctaaaatca accacaaagc 300
ctacctacca cacttccaat gacaaacacc accttttagca taaaccaaaa caccaaccaa 360
gaaatgaatt ttgctgag a 381

<210> 33072
<211> 287
<212> DNA
<213> Glycine max

<400> 33072

ccatggtgat atctgactga acgaaaaaac cccaatcaca ctcgtagcgt ggattcttca 60
gcgctccaga tacgaattaa tgactcaagt tctaacctgc tataaccatta cagccttgag 120
ctattgaatt catttcccct gaatgagaat tagagcttgg agaaactttt tcgggttctt 180
tacaaagact ggcagataca agtgacgtaa aatgacgtac gctccggtct aaacagaggt 240
gcatagatgg cattgtggac ttgtattggc gcttcaatgt gtggccc 287

<210> 33073
<211> 362
<212> DNA
<213> Glycine max

<400> 33073

agcttacaac attgtcggtc atatcataag tgcaaatagca atagaacaag cgatattttg 60
cttccaaaca cccacattg gtcgggtact catatcataa gtgcaagcct atattgcttt 120
agaaaaacat taatgcaact ctatattttt tctgttttga cctgaggggtt acaaattaca 180
tattcttccc atgatttgca tctgttgctt gcaagcctat attgcttttag aaaaacatta 240
atgtatccat ttgactgtgt tatcattaaa ttggcattgc tatttttagca atcaccaatg 300
atcttgtaaa cttatagggt tgggttaatgg taaggataaa aaggtggata ataaagtgtg 360
at 362

<210> 33074
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33074

tcaagaatca agatcaagat tcaagattca agactcaaga atctagagaa gacttaatca 60
 agataagtat gagaatgatt nttcanaaac tgagtagcac atgaatTTTT caaaaacat 120
 gtttaccaaa ggggtttttac tctctggtaa tgcattagca aattgctgta atcgattacc 180
 agtaacaaaa ttgttntgaa aaagttntca aattgaattt acaacattgc aattaatttc 240
 aaaagttgta atcgatacaa t 261

<210> 33075
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 33075

caactgacat tgcgcttggc ggccgcgctt aacaaagtat tttctacacc tactgttcgt 60
 tgatttgacc aatgctgtta tgggaatgtt tgcacaatcc ttcaaaaccc tatggataca 120
 ttctgaaagg ttggttgtca tgttgccata tcaacgtcct tctctatcat aagccatcgt 180
 ccatttttac tgttgaattc gatcaaccga tgt 213

<210> 33076
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33076

aggggaggag ccagggttag anngtacctn tctnatctca nacnnntaca catcngnnn 60
 tccnnctcag tcatagcaac ttatctttct cagcttttca ggccaaaggc ggaaacctct 120
 ggccaaactc aaacccaaaa tcacagcttt ttctcactta aagaaccag tacattttct 180
 tegtccaat cattcacggg tggaatgact tgaaaattta ctggaagttc atagtcataa 240
 atctacattt tgaccgtcgg gatctgctag aaaatatcca aaccccatat gtactaccct 300
 cttcacaacc aaccatacac aagcattttt ctgcacttat acaaaaatct tgctgacatt 360
 tcaacagcaa aattctgcat aaagtgcaga tgtcgaagac cactctngcc ttcattcaat 420
 nttgcccaaa tcgaatncta catgtcccaa atcatgtttc aatcatgtct aaccaatgac 480

aagcttcaga ctatagcaac acacaatcta ggtatccaaa cctctcatta atg 533

<210> 33077
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33077

catcgaatat ccntatata naccgaccag aggnaaggga aaatttattt acccccgcc 60
 gggaggggtat ggcgaaaacc tccccggtgg ccaaaccaac acttattacg tcaccgccgt 120
 taagaaacgg agctaaaaca cctgcaccgg tcagcttcac cagcgaacta atatgaaccg 180
 cattaaaacg gcagcttggc ccacaagcgg acatccctaa taagggatta atgttatata 240
 aatgggaccc caccgagagt agatgcggct tgcgggccctt taatcacggc c 291

<210> 33078
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33078

gagagtaata tgtgcaccnc acaacnaaca ccgaccagaa ggggattatt tactttcaac 60
 cggggaggag gaaaacccaa aggacccaaa gccaacgcga cagggaaccc gccaaaaaag 120
 gagcgccacc caaaaaacca aagagaagaa aacacgaaca cgcgaaacca cgcaggggaa 180
 aacaggagaa caggaagaag cggagaacgc acagacggaa aacccaaaaga ccagcgggaa 240
 ctaaccagcc ggaagtggaa gaagggccgg caagaccgc g 281

<210> 33079
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33079

agnnggaatt attatctatt tacttnnact catnnatnta ttgattttat gtattatagg 60
 agaacttaaa ataaacacgg ttgttacagt aatcaattac atatccatgg taatcgataa 120
 ttactttgta aatcagttat aaaactgttt tgagcttctg gtaattgatt actagagagt 180

aaaaactttg gtaaaagatt tttctttgaa naattctttt ggacaaattg tgctattcaa 240
 tcttttcttt gaaaaattct ttttatactt atcttgatga ttatcttgag gctcttgcac 300
 atcttgagtc ttctcttgaa tctcacttga atcttcttga tttctttaat cttgtttgaa 360
 aaatctttgg ca 372

<210> 33080
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33080

agggcatatc aattcncttt ctttgtaccg acnontanat tnatcaacnt nctannaac 60
 atntcatgcc gggggacctt cttctagtat tcattttctac agcatcctcc aaccctttg 120
 ccttcccaac tagagcaatc ccaaccaaen aattgggaaa aaccggaaaag ggagatcttt 180
 gagaaccttc aggaaggtga nggtgacata cctctgctag atgccctcag cgaattccag 240
 ataaccaag ttctaagtag tgtgcacatc aaaagaagct caaggcaata aaaggattaa 300
 catggcagat atgtgtcacc ttgataggaa atctgttctc acatttctga gaaatgtang 360
 gaccangtac tttctgtata ccctacattt atngngaaca atanatntga gaatgctttg 420
 ctagatctag gagcatcagt tagtgtcatg cctctgccat ttcaatctta tctttgacct 480
 ttcacttaca atggggatca tttgcaatag agtgtgctcn 520

<210> 33081
 <211> 296
 <212> DNA
 <213> Glycine max
 <400> 33081

ttttttgcca agtattcaga ctagecctat tcattttaca tttctagcct gacaaatcac 60
 actctatccc ttgcaaccac ctctgcaatt attttcatat caactgctgc ttgaactatg 120
 gactgaactc ctacttcagt tcttggtgtg ggagacttgt ttctgtaaaag caaatgatc 180
 gtaaacctgt gatcctgatt ttccatccta ttttaaagcg gaatttcaca taatttcgtt 240
 ctgatagatg attcactaga tcagcaaaaat aaaattgttg gtcaatagaa ccttac 296

<210> 33082
<211> 162
<212> DNA
<213> Glycine max

<400> 33082

agcttgtccc attaacacgg ggggggttttc ttgcgggggc gacccccctt tttaaaccctt 60
cctgacggca aaatacgtta attttgtcaa taagctctct ggccgattgc tccttagtct 120
ttgcagtgat gccccggctc aagctaatac cgacctttcc gc 162

<210> 33083
<211> 260
<212> DNA
<213> Glycine max

<400> 33083

agcgtctcga tatattacga gtctcgagtc aaacatccga gacaaaagtt attgtcgttt 60
gaatttgctc acaggttcaa cattcaattt tgagcgtctc gttatatgac aggactcaat 120
ctcacattct agtaaaaagt tattgtccgt ggaattggct tagagcttca acattcaata 180
tcgagcgtgt cgatatatga tgggactcaa tcagacatcc gagtaaaaga tattggcgta 240
gaattgcgta cagcttcaca 260

<210> 33084
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33084

aaaggtggac ggaatgcgat agcancnccg cgacactcta caatacnnaa cactngagat 60
canngaagcg cnngaanaagg agagacatcg ctgtctcatt ttgtcgacca tcagacgcgg 120
caccctggga gatagtgtcg cggggagtca aagagacctt tngggaccgt canggtgggt 180
gtgctaattg cccataacca cagctgtgac caatacccga cccaaccccg ggcataggct 240
ggtcagttag aacctgtgat gtacctaaagc acgcgagctc ctngcagtca actgattaaa 300
ggaacaaaga ccacaaagca cggaggcttg tgggtggctgg ccaactctga attttgtgtg 360
atatgtggat tatggcctct ggtgatcgat accaaggggtg ggaatcaatt caacggctta 420

aatgacacag gagactagat gtctctgtaa tcgataaccag gggcgtatcg atatcatctt 480
gatacnaagt catgaactaa tgacgctctg gtatcgattc caccagtgac atcaatacac 540
agagggatgg g 551

<210> 33085
<211> 289
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33085

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cgggcttatg atcccaacat ggttggctcg tggcgcctaa cacatgaaac taagaatgta 120
gtgtgaagtt tcacgcttcc cccttntttt gttttgtctt gtagaggaga atgcaaggat 180
gagcaaacat gaaaaccaat ggtatgcaat tttgcagatc aaaatagttg ttgaacgcat 240
atgcctgatg atgccatgac tcatgcaaaa tgtgacgccg gaatatgat 289

<210> 33086
<211> 525
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33086

ggcaatcttt ctgaattgca tgnncnncg cnanncatcn natnnacnnc aactcgaacg 60
cnannngcan gcagaggagg aggaggaagt gaattgttct ntctccnana caccgacgag 120
aggcgcgggt gaagcgaatt gcactcacct acagagcaca gaccggacct gagaccttgc 180
atacctcaac gcagggcgat gggacaatac aaatgctatg ctgcaaatac cgacaataga 240
catcatccac cgtcgatacg gaatcgacca cgcctgaaca gatgcgcacc ctctagcaa 300
ggataccacc gtcgaaagag aataaactg attgggaagg cgtaccctca taacagacaa 360
agaacggggc ccttcttcca aatgccgtag gtcctaggaa ccataatttc ttaacgctat 420
gacaacccaa tagccctaact actgcaagcg tggagcgttt ccacaacttc cttaagaact 480
tggtaggcac agcgttgcca acatcgacta cacaagaacc aaccg 525

<210> 33087
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33087

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gggtnnnngn ggcgganagt ttgatcgatt tcctttacnt tgcacaatca atnaannaca 60
annnncncnn nnggnnagaa agngaggag caaggacgta ttacnattct tccangacaa 120
cnacacgcgg cggcgaggga tttctagatt ganccaccca cttcacgac aagcctcatt 180
tcaagttccc tgaccagaac atatgaagga tctacactcg cgagaggggt ggttgccaca 240
ttccagagac gatgcagttc ccgtttcata caccaaacgc ggaggacttc acatcgcggg 300
tattcgacag actcttacac ggctcacata gcataggtct ggtctgcgaa agagtttttc 360
tgtaaaactat gtgagttagc cacattcttc ctctttctta tcgatggccg gaggccccta 420
ctttatcaca actttccgtt gggtttacct ttcccacatg gttcgaccg gagtattcgt 480
accacgggc tcgggatcga ctccccgcgc atttatctat gggctctgac ccaattgcga 540
ccactcagcc 550
  
```

<210> 33088
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33088

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gcagaatttg tgatctatac ncttganac acaancnna ttaaacaacng agccnnggag 60
agaaagaaaag ttatttttcc actttgagcg aaacggggag gagatgggaa cttttcta 120
actagaaaca atgatgggtc catttcaatc taaagtaatc ctaagctatt catgtaacct 180
gtcctgggct gccagcaagn ggtgaaatct gtgaagtacc catattccac tgctatttag 240
actggtagcg agctgtggag ccgcaaacac actcgaattt ttgctaaggt gggcggcaat 300
ccataaatat attggagggt gttgttctat ttcatacga aacgagattc gagtagttgg 360
gctatatctc ggggtctacac ttctaagata tgattgggtc gtgatacttt cctaaaggta 420
atctatactg actgtaccaa acctccatca cttggccgag gggacttact cactcgtttt 480
aaacataata aacg 494
  
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<210> 33089
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33089

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ccactcccc cggggggggg gggaaaaacc acaccccccg ccgcgaacag aagcgagcga 120
acaaaacaga gcgcagggca aaccggacaa aaaagccgaa gcacgcaaac acggggagga 180
cgagcaagac agcaccagcg ggagaaacac aacaggggaag ggacagagaa cggcagacgc 240
gcggaaccca accacggcac accacagaga caggcccggc ggaaggggac aaaggcacgc 300
gagggccaca acagcagacc ccaccacgcc aaaccgcaag ggcgagaaga gggc 354

<210> 33090
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33090

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tgaccaaaaa gcactggatg agaaataatg aanaacacca caactgccaa gggatttcat 120
accacctcat ctcatTTTTt tgctcccttc cttgtcacc aataaaaaata ataaaaatat 180
gatgtatggn tgaaaaataa tgtaattnt atctgttgag gtgatcattt ntcttttggg 240
gaggaagaag gaaatactct aaagaaacag gtaattntat tacatcttac aacaagaatg 300
cangtttccc attggtttat canaataatt ttctaattat tttataaata aaaacattat 360
tga 363

<210> 33091
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33091

gccagagtat gcatgattcg accatnatct cagctggaaa aaataaaggt tcgggttaag 60
atgtttttctc tccactctgn gngaagcgaa aggaaagacc atgttcgaac cttgagggaa 120
agtacatggg gataggttta tactatatct acggccaggt ggaccagttg gagtgcctaa 180
attttcctgg tttaaatggt gcttctggta tgaaagctct gattttaaata aggctgaatt 240
caaattatct gtttttttct ctttagaata ataatgttta gggctatata caagctccgt 300
accttatgga ctgagtgtga tccttatgaa ttcataataat gactgcgtgt gacttcttgc 360
tacaaagttg ctcactatct gatttcatca tgcncaa 397

<210> 33092
<211> 546
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33092

nntacggaaa gtcccgacng catgncgtct gcnatctcag cctntacgaa canaatggcc 60
tcattctttt ccaaatatgc tgggtgaatt ttgtacgcat caacaagaat caagcccagg 120
ctattgtgcc agcacatcat gggggcaaac acaccaaagt attatgatga tggatggctc 180
caattctcac aaaggtaaata cattactttc caattgagcc tttcaaacta tcatgacatg 240
tagaagagaa tcaaggattt caagtcacaa aatgtcgaga actttttattn ntcaaacaat 300
taccattttc tttgacatat cctataattc anagaanaac atgcanattc gtacgtgcac 360
acaaaatnga cgcgaaatat taaactaaaa atccgacgaa actaacaaca ttaacaanat 420
aacacaacta acagattaac aanaccaaca aaactagcca aaccaagaa cacttcccc 480
cccccccat acttnaaca cacttngtc tcaatgtagc acaatttana gaataagaac 540
cattan 546

<210> 33093
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33093

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attncccaca acccagcaga ggcggtaggg gacacaacaa caccgccggg gaccgacggc 120
gaacaaaaaa cagggggcag acaaacaggg ccaaaacccg cggcgggccc caacagcggc 180
ccagaagaag gcggggagcg acaaagagaa acacgcgccc gcacgaggag caagtgcggg 240
caaccaacac gggaggccac aacccaaca aaagagggac ggaccgaggg cgggagcaac 300
cggaaacggc gggacgaaaa ggcgggactg acgcagggcc aaacgagagg gggcaggcag 360
aaggc 365

<210> 33094
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33094

ggagagcgca tcgagcnnc anaccacacc acacgcccag ggccgagagg ggggggtgtct 60
tcggcttnnc ccgccggcgg accaggagaa aaccgacgcc agaggccccc ccaaaggagc 120
gcgccgggaa aaccacaccc cagacagccc cngggagaaa ccacaagggg aaggacaggg 180
ctgccaaacc ggacgacccc cgctactcgc aaaaggacgg cccgcgggac gaataaacac 240
cgcgcacccg gggggccgaa gaaggacgcc aggcggagac ccccgccacc ggcccacgca 300
gacaggaacc cccgtcagcc ctggggggcc gagcaacacc accccccagg gggagcggcc 360
gccaagagcg aaaagggcag accgccaggg ccgacaaggg g 401

<210> 33095
<211> 137
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33095

tacagcagta aattggaggg gagcgatcct tgtgttctga ctctcaacca cttatgatag 60
ctgccgatga tcccattact gctttcncta agatctctgt actttattca aaccgcattg 120
catgccttgt gaactcc 137

<210> 33096
<211> 477
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33096

gcgacaacag cggagagggt tttgatatga taccgcgaca attatanacn accnnnnccc 60
 nnnagannng nctgctctga ggacaacacg ttttaactct cccccgcac gggcggatgg 120
 cattgccaga ttagatacgt cgagaacatc ttgnattgct tatggagtat gcttcaagcc 180
 gaagagggat taatagacaa ctgccctgct tctgagggtg aaagaagtga nagccaggat 240
 cacccgagat cgatgacgtt gctaagataa atancgtgaa ataaagaatg gaaccaaata 300
 ctcattactg ctgaaagaac aacatgggga gaataaatct tgtccagaag ttatccttcc 360
 aaatcttgga ggaactcttc taatataaga aaccttgga ggaaccac aaccaagttg 420
 tctgattctg attttgtcat tcatcttgcc aatcttgtgt atgttaatat ttaatch 477

<210> 33097

<211> 493

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33097

nnccccgagc aggtccgaag tcnnccntnn atacancnca cgcagacann nccgaggcta 60
 caggagaggn gttagttttt ccgccgacca ccctcgcgg cgggactgga ccggaaacac 120
 accatagcca accgcgccac agggcatgcc gatcgaccg cataccgatc tagaacgatg 180
 ggtgatcaag atgagacaca gcatcagaag acagccgacg aggcngcgag aaacaacgaa 240
 aggccccacg acagtgcact gctaggaatg agagcacgca gcgcaaagac agggccacag 300
 cagccgttgt aaatgcagat gccgaatctg acgcacacac aatggggacc gcgcaccagt 360
 caccacaaat cgactaagct gcgaaagacc acatgcgccg atgcagcctc ccggcataca 420
 ccgacaggca ccgatggat gccgccacca ccgcaacaac ctggnacgaa gggccaatgg 480
 aaccacctg aac 493

<210> 33098

<211> 147

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 33098

gtttatatan gcacatatgt gagaaaaact aattgatata agaaactagc tagaagggaa 60
attagaaaag tgatcgatat agctgtgatt ttgtgtttgt atgtggccac atgagagaga 120
gagcaatgat gacattggag tcatcat 147

<210> 33099
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33099

cncaagcgag ttgatgantt catgacantc ttgnacacna catanacna agctagccac 60
ccanatcgcc caggagagca cagctcgct tgcatacntg gggtgcttcc tcacgaggca 120
gcggtctatt tgaggattat gtgaggaagg cccaacagtg ctctgtctgt tatgtgcacc 180
cacatgatca ctaacacacc cctgactact ntgagggaga actctttacc agagagtgca 240
cgcgctacaa atttgaaaca caactttatc gctttacaga tgttcagaac actgctgatg 300
attatatgat cgtatttgac tactgccgtt tctgacctca ctaagagcaa agagcgctcat 360
aacattgacg cgagctctga aattatatat gagcatcttt tggatttgat tgcgcatctc 420
ttaatataaa aaccctatgt ggtgccagct ctaaagacat acaagtgggtg tattacatag 480
accgcgatga gg 492

<210> 33100
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33100

agcttttcat attcttattt ggtggctnga attaccttac acatacaagg cttgatatag 60
ctcgtagtgt gagtgtagtt tcaagatatt tgcactctcc aactaagcaa cacttatgtg 120
caacaaggag ggttcttaag tatgttgcag gttcaatcaa acttggagta ctttatgaga 180
gtgtggataa tttcaagttg gttggctata gtgatagtga ttngtaggg ttcttagatg 240
ataganagag tacatcagat tntgtattca gtcttggctt gggagccatc acgtagagct 300

ccaagaagca agacacagtt gctttatcat catctanagt ngaatatgta g 351

<210> 33101
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33101

tgcatgttcc tttttgttat tgtgtgtact ntgactacga ttgctaaaag aacaaaatgc 60
 aatgagtaat gcgacaacga attaaacatg aatgcatgat aatgataagt tgttaaagta 120
 ttgaaaccac atagaaatct cagcanagac atagggttga atcacatctc attntcatta 180
 agagataata ttgtttatct tgtcaaagcc aaagcataaa taaatacaaa cgtcttagcg 240
 gttcctaatt atgtgggaca tcaactcgat catataaaga caataatcga aaagcccatg 300
 aacttcctca ggagccgagt atacatccgc cattgccttt gdtctggcta acagccttgg 360
 aagctcttga ctccattca gagtgaaagt gaacctatcc atccacttca taacttctc 419

<210> 33102
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33102

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 caaggcagct gcaaaaatga acaagagggg cagcttcttg tccattntcg gctctaacag 120
 agaatatcaa cagttcacca caacttgga gtaaagtagt gcctccacta aagatattgg 180
 tcacctttac aagataccaa agtggtgaaa taacgaagga tcaattagac aattaataaa 240
 cacgactaca ggagtgtntt ccttatatac gcaaacttga accaaagaca atngtgtatg 300
 tggcttggtt gtatgtaccg tgtgcatttt actaagatta tgctaagtgt ctgttgagtc 360
 aaaatatgca cctcgtgtaa tcgtgtctga catggacatt aacctatta acatttntgt 420
 cattcgcta ctcgattggg gtttcttaat gactataaca aa 462

<210> 33103
 <211> 240

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33103

taatccgagg cttactagtg ttgccttatg cnccttttggc nganaaacag tatgatattt 60
aatgatatgc tgatacttac agtcagaaca atgagaatga gatccttggt acgctntatc 120
ttccagacat ttattttccct ctctactatc cacgagacta ttgcactaaa gatggctcaa 180
gtaagttata ataagaaaca ctttcattgg ttccggatat cgctccacgg tttctttcta 240

<210> 33104
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33104

ttccctggtg tttctttgag aagctntctc aagaggcttc tttgagaagc tagatcctta 60
tctaccacaca cccttctatt aactaaatta acctccttga aaataattac ggataaaaaa 120
taacataaca aataatcaaa catcaaacat aattactaat atatatatat atatatatat 180
atatatatat atatatatat atatatatat atatatatat atatatatat acatatatca 240
gggtgtgaca actctcccac cctcttagaa atttcgccct tgagatatac cttactcaaa 300
caaggatggg tgagntctc gcacttgact ntctaattcc cacgtggcat cttcttctga 360
tgcaccttcc cagatcacct ngaccaacga natctctntc tctcttaggt gttgtgtcgc 420
ctattctcga ccctcaaagg caatgttata tatgtcatat n 461

<210> 33105
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33105

tatcgtaatc gattacacca gttattttga gacaatggct atgttatnta ggagtctctg 60
ctttaattga ttatcatgtg atataatcaa tcacttctct ttctataagt gtaacagaag 120
tgaacaagaa cactntagtc gattactttg agtatctaata caattacagt gttcttgaac 180

508

agcttataaa	tatctaaatt	attatnntaa	ataaatattt	gtttgataga	ttagatttaa	60
aaatataatt	gtcaatgata	ttntatatca	ttntatgtta	aaagagataa	aaatntacat	120
gtaaattaag	atattttnta	tttatcaata	tatntataac	gaatgttcta	aaattagaga	180
ttgaccactc	aactaaagtt	gattaacata	gagataaaaag	taagtgttat	gtgtacattn	240
tttaagagcc	atataagaat	aaagtgaat	tgacat			276

aaaacagact	gcatcgggcta	ngatgatcca	ntcgaanaca	cacaagcccg	aantgaggaa	60
gngtagaagg	gtgagacatt	ctggctttat	ttcgttacca	catagctgnt	acctgaagat	120
atgntgccgg	tggtcaggat	acccttagcg	acctcagggtg	gtgttgctat	ttccacaacc	180
cagcgtagac	caatcccgac	caactcgggc	atagtcagtc	aatgagacac	tgtgatgttc	240
ctacacaggc	agctcctggc	agtcaacttt	ataaatgaac	agagaccaca	agccatgacg	300
cttgtgtggg	gctggccagc	tgtgaaactt	gattgctata	tgggatgtgg	cctctggtaa	360
tcagatacca	atggtggcga	atcgactaca	atgctttata	ttgtgaagac	atgaagctat	420
gatggcctct	gggtatcgac	taccactggg	tgaatcgatt	accaccctga	atatgngatc	480
atgaatctaa	gaaggcttct	ggnagccgat	cccaatgggt	agaatcatta	tcagggttagg	540
aatg						544

<210>	33110
<211>	285
<212>	DNA

<213> Glycine max

<400> 33110

agctaccaag ttttttagtta ttctctcaaac tgcctaagcg agcgggaaaag tctataacaa 60
 cttccgttgc ccatcggttt ggggtgaaag tgggtgaaca aacaattaat gcccaacttc 120
 tccacaaagc ctccgaaacg catatatcaa gccgtagata ggatgcctaa tttaatggtg 180
 atgttttaag ggctctaaat cagatcaaat gcgcatgtc ccatctttta tggatcaaata 240
 cactggacaa cacaggactc atctatctct acccaacttt gctat 285

<210> 33111

<211> 627

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33111

ggggnnnccg caggtagttc atttttctat tgtacnnnt cnnnnanaan attcatnnna 60
 cnnnacggn nanncacaan nnnngagcan ngaggggaaa aaagagagca nggacgnata 120
 nactttancg cnccananc accacacgan acncgggga ggggggaaac cagcaccaaa 180
 gaaaacgaga accnccaaac aacgagaaaa acccgacgca aagaacgaga acacaagngc 240
 gccaccccg gagncaaaaa ggaaaaggga ccgngcaaa ncacaaccaa gccccgggc 300
 gcgaaggagc acagcagcca cgaacaaaan cacngcgacg cacaanagga caagcccgc 360
 caagaagagg acccgcgcgga naggaacang cncagaagcc cgaagaaggc aannnccaag 420
 caggcccgac acacaaccag caccaancc ggacaagccg agncgaaacc naacgggcg 480
 gcaaanncag cacagaaccg cccagcaaaa anacgagcgg cacgacacaa cccggaccca 540
 ancagaccac gaannnaaag nganaggcgn cgggaccgag acgagcaccg gggncggcca 600
 cgacgacgca ggcangaccg cagccg 627

<210> 33112

<211> 337

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33112

agctntncac tcttatgtct gnattaagcg cataatatat cgagaanggc ggaattgatc 60
aatggaagct cttgagcaat tcaaattgatc ataactgtta actccgatgt ccgattcacg 120
cgcataatat atcgagacat tcgaaattga acaatggatg ctcttgagaa atacaaatgg 180
tcataacttt tcaactctgag gtccgattca gactcatcat atatcaagac cctctaaatt 240
aaacaattgg agctctcgag aaattcatat ggtcataact attcactcgg acgatcaatt 300
caagcgcac atatatagag acgcttgaat ttaacaa 337

<210> 33113
<211> 544
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33113

gcaagcaggt gattcntcct tggacttgc gacacttaat tactaagctt gcatcgtgct 60
tttgctagcg gaggaatat gactaccatg gctatgacca ccgagagcan agagnggagc 120
cgctgangga ctacaaagct ctctcttgc aacatacgat cgggtgtagaa ttattagcca 180
gcttgagcgc gaacttccat agaaacgttc agatcgtcaa gatatcctat gagctaacag 240
tgatgcactc ctagccgatc tatgtgtgat gagactccat aggacctacg ggagcaaaga 300
agtgagattg gatttacatc acacacgcct ccgtggctga atatacatac ctgcatactt 360
gacgcctgta tgggtacctc aaacgatacg tgctgacatc ttggatattt taagagccac 420
gcgtagtcaa actggaccat gacacattgc tatctgcctt agattgacgc tcctgtgaag 480
cgttattgac aattgtatgt ctctaaagc cccggcggac aaaacctagg ttcctttatt 540
gaaa 544

<210> 33114
<211> 346
<212> DNA
<213> Glycine max
<400> 33114

ggagaatgtg aatgtatgta tacatgattc tgatgatgtc aaaagaagaa tcacacaaga 60
ctcattttgc ttcaagatta atacaagatt gtttcaacaa acaaagcctc gattcaagat 120
ttcttcaaga tcaagccttg cctcacaatg aaaggtttca tgtcattcaa ggcacatgta 180

atcgattacc aatggtttga aagtgtgtaa tgcattgcac atcatatgta atcggatacc 240
agagactctg aacgttggga attcacattg tatatgaagg gtcacagcta ttcacgacta 300
ataactgtgt aatcgattac actaattcta taatcgatta ccagag 346

<210> 33115
<211> 196
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33115

atgagaagct agagcttanc tacatacccc ctatagtagc taaactcacc cctatgccag 60
aaaacatgac aatataaaac aagtgcctac tacaaagact acttccaatg aatgtgagtt 120
tattgcaatt acacaatcac aaaatgggccc tcaaccttgg tgggggtttct ctctttgggtg 180
attcactcaa tatgga 196

<210> 33116
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33116

agcttgtaat attaattctc cttcagataa cctctcttag gtgagaggcc atgaatgggt 60
ntatatctaa cgcaccttgt aagcaaaaga atctccagtt tgaagtgtag acaatgcaca 120
aaccaatttt actgtatcct anaatttact ntaattatga agaacgggtgg tgacaaggat 180
tgaattcttg accacttgggt cgtaaaatcc ttggtaagag ccaactcttc taaaagttta 240
agctcttagg tagagggttta ttcatttgta gcactaaatg atgtttataa gtcttattta 300
tggtgcatat cgatgttgggt aactacatac cgaaaacttg atttggtgca nacattcttg 360
atta 364

<210> 33117
<211> 294
<212> DNA
<213> Glycine max
<400> 33117

acattactct tagagcaaga tggcgtataa cctcctccca taaatacaaa catcaatgta 60
aatttagagc aagcttatgc gcatatttcc ttactaacgt tctcttgac aagacattct 120
attaaccgaa aaaaatgcac ccatatacaa tcaaggcagc gtcgttacct agattatgta 180
cacgtactct caaagtgtat ttggtactta catcacacac atctccttgg ctgaattcac 240
atacatgcat actcagagca tgttggggta ccacaaattg cacatgtgca catc 294

<210> 33118
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33118

agctttttgc attttctaac gacaataact nttactcgg atgtgcgaat aagtcccgt 60
atatatcgag acgctcgtaa ttganaactg aagctctgag caaattcaaa cgacattaac 120
atttgactcg gatgtccgat tgcgtcccg aggatatcga gacgctccan attcagaacg 180
gaagctttga gaaaaatcta acgataataa cttttaactc ggatgtctga tcgagccctn 240
gtatatatca agatgctcga aattgacaac ggaagctcta agagaagtca tacgacaata 300
acttatgact tggatgtccg attgtgtccc gtacgatatc gagatgc 347

<210> 33119
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33119

gatggagaat acgattttcca tggcttttct gattttgggc tnggaccctt tgagtgtgaa 60
gntgaaacga gacaatgatn ggggactntc gaanacagag ttctttgatg aggttgga 120
tggactttat ttggatacag atgttgatga gtatgactaa cacanttaat tggatcttga 180
agaatccatg gtacccaact tcaattcatt tgtaaggaag gaatgtagcg atggtaacct 240
gaaaaatgca ttggttttgg ttgaagaaat gctttgttgg ggacaagaat tgctatttcc 300
tgaattntc aaattagtga gacaactttg ttcattctct tcacaaatca agtc 354

<210> 33120
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 33120

tttaattgaa ccaaaatatg tacgctttta ttattctttg tattgcaa at catggggata 60
 caatctttat tttgtaatgc cataaagcca cttgtatgtt cttcagtaga cattgaagta 120
 caggttctat ttttctcaca attttcattg aaaaaatcta ccgtttaaga tttacaatc 180
 attgattatt caatgagtaa aatcatctat ggagctaaga taatgtatat tgaaatatat 240
 aagttcaaca cttacagttc caatgattgg agtccaata ttaacaatta ttaaagtcaa 300
 atcacacaac tc 312

<210> 33121
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33121

ctcagctata caattataat aaaagaacaa tgacaatnga atattctata catgtttcct 60
 ttgatgagtc taatgccatt cttccaagga aggattttct aaatgatatt tcagattcct 120
 tagaagatac acatattcat ggaaatcatt ctaaagaaaa agacgaagga agaaatgagg 180
 attctcaaga taatggggct agaggaaata atgaacttcc aagagaatgg anagcctcaa 240
 gagatcatcc cctcgacaac attattggtg atatatcana aggggtaaca actagacact 300
 ctcttaaaga tttatgcaat aatattggctt ttgtatctat aattgaacct aaaaatataa 360
 tagaagtc atgacatgat acatggatca 390

<210> 33122
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33122

agtatccttt atatgctttg tcttttattt ctctaaagta atgatcgaat atgccaaaat 60
 tatectatgc gtagaaaaca tgtgatttct tctcaaaaaa ataaaatcac aggggttagct 120

cgcctaggcg agcataccct actcaaatta gttaaaaaag aggggggggag ggtgagtttc 180
 ttcacccaaa acttctccct ttcactcaag aatgccatca cccatgggac tggccatcct 240
 tcaactcctag ttcaccattc ttttgcggtt ccaatcccat tntgcattgt tgatcgcccc 300
 caacaagtaa gttcctcatt cttgggtctct ct 332

<210> 33123
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33123

gacacataga aactcacgct tcaagaaagg cccaactctc cttagaaatc atatntcatg 60
 tttaaataagg tggtcntggt cgtgcttggt cgcttagcgc aattctgaac cgcttagcgc 120
 gcattagtga attatggcct agtgtggctc ttctcgctca ggggatggac taaagcggtc 180
 tgtttagcgg gttgaccctt ctctcagcta atatgcac 218

<210> 33124
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33124

agcttggttc tttctactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60
 cgtcgaagaa cggtcgaata ccttcgcgaa attcctcacg gaaatgtttc ggaagcgcct 120
 cggcttagat tntcttcacg gaaacaattt ttccaagcaa attcgataga gcgagaagtg 180
 cctaaggggc tgaacccttt tccacttcac ttctccct atntatagca aaatagggga 240
 gatgcttgcc gccagctcg cccagggcag canggttgct tccttcagaa caacagcctt 300
 ctggaggaat cttctggagg gcccaagt 328

<210> 33125
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 33125

ntcaccagat catataagat aaangcattc tttcatctgt tatatatcct ccacaatgtc 60
aaattctctg cctatatatt caacctttcc atcactggca caggagtga tcttcctcca 120
tggtgcaata ttaaagttat attgtcatcc attcctcaca atcagaaacc acanacattg 180
ccatatatta tgaaataaaa aacctaactc atactcaaac ataagcacat cacacaacaa 240
catgcaatgt catctattaa aatagagcat catcaatgaa aat 283

<210> 33126

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33126

agcttctct gtgtcatttc ctgcgaaggc aaacatttgg agagttagtt ntaccaagaa 60
atgctattct taaaacgaaa atggcatacg acctccccc ataacacaaa catcaatgta 120
aathtagagc gaactcatgc gcatacttcc tttcgaacat tcaactcgcac cagatattct 180
tctaactaag aaaaatgcac ccaggcacia tcaaggcacc ttcgttacct agatcactta 240
tatgtacttn caaggtgtat ttgctaccta catcacatgc acttnctttg ctaaantnac 300
atacatgcat actcaaagca ttntggctac caaaaattgc atacgtgcac attctggtat 360
ttctaatacc tatacatata caaactntgt gatgaatctt ggctacctac acaat 415

<210> 33127

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33127

cgctntatgt gatgaacatt ggtaaatggg tatgcatgaa gagttttattc aatttaagag 60
agatgatgta tgggatttag ctctaaacc aacctctcac aagtcaatcg gaaccaaag 120
gggtgttcga aacaaacttg atgaatctga catcacagta aagaataaag caagattggg 180
tgcaaaagga tacaaccaag aagaaggaat cggctatgat gaaacctatg ctctagctgc 240
aatgttagaa gctataagat tactactttc atttgcttgg attatgaatc tcagaacttt 300

ttagatggat gtaaaaaatg tcttccttca tagatgcatt gaagagaagt gtatgtagat 360
 caaccacttg gatttgtgca tatgacacat ctaccatgtc taaaaacaga caaaggctct 420
 tattgtttga agcagcacca aggccatgta taatagattg ccaattgtta attagataat 480
 ctn 483

<210> 33128
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33128

agcttgattc gtgttttgtt ttatctntag tancactttg gttattagtc gattcattca 60
 aggaaacgtc caaagaanaa cgcccgattg attnttttta ttattttatt caaacatatt 120
 ttgattattt tattattatt ttgccttttt ggatttaacc gaggttacag cgtgaacgat 180
 cggttagatt ntgctttaat agtgattaa cgacgttgca acacaaatga tcgngtgana 240
 ttcattntat cattttattg gtgagaaaca acttaataa ac 282

<210> 33129
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33129

nnnnaagggg acgggaaggg atcccgcagn cngacncata gacacncagc cggatgggtg 60
 cgcagccttt atggtcttgg cggaagtgtg ggttgaaatc acatttccat tcagaatagg 120
 cccacactt gccacgttgt ggttcaagtt attgatatta aatccggcta ttacttctc 180
 ttgggaagaa cgtggattca ttgcctggga gtgggccctt caatgcttca ccagaaattg 240
 aaattcgcaa tgggtggact tttagtata gtgtcnggtg aagaggacat gttaatgagc 300
 tgcccttctt cgcccatagc tagaagcggc ggagaatcat tggaacggct ttcaatcctt 360
 gaagtgtgac tgccctctgt ggaccaaate gtctacttc tcttcaaagc gccatatggt 420
 gggcgtgtat gctaagaacg attgagcccg atgggttngc angactgcct cggatgcgac 480
 tggatcatatc aagaatcatc aatttg 506

[illegible]

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[illegible]

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[illegible][illegible][illegible]

<223> unsure at all n locations
 <400> 33132

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ggcagatatg ctgcatgaac tganancaca acngaanaag gannngngaa gaganggana 60
ggatagggttc tcattaaccc ccacaggaag agggagggaac tacgaaccaa ccacaccccc 120
caaacaaacc gaacccaaag gggcgccgaa caacctgaga cccccacag agcagaaaca 180
ccgcgaccgg cggcccaagg gaaccaccac aagaaaagga ccccgccatc catgcacccc 240
acggccggac cgcgcagctg aacaacccaa agaagcctac tgacacatcg cggagaaaaga 300
aggacgcacc acaccgaagg aggcacaaaa gccccccaaa tgaggccggg agagaaaaga 360
gagccaccac cacgggagag agcgcttaga aacacccaac gccgctacaa caaccgcgag 420
agcctacggc taccaccaca cccggctagg ggcaaggaag acgaccccca tataagacac 480
acgg 484
```

<210> 33133
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33133

```
agcttagtan atctaatttc tatcacgtct ggcttaagac gttaaagaag cgctactaga 60
aggcaacctt naattggcta cgaagaagct ctctgcgaag cagtccagga aaggcaccat 120
tgaagagggt tctagtgtgg cccacaagc tgacacaggt tttgacaacc accgactcca 180
gagcgtggaa cattagtagc atttcgaggc cactgagggg tggtcattcc tcaggcagag 240
acaaaggcag ctaagggatg atgaatttcc agatttcctt ggaggaggcg gaaccataca 300
atcgaaatca ccaaacttgt gatttatect tcattactgc tttcaattat tctattatct 360
tggtatttcc tttgtgatat aacattatct gcttccaatt gttatgccca ttgtgattaa 420
actgaacatg cagttatctg 440
```

<210> 33134
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33134

nnnccggagc	agcctancga	cagcgcaccc	ttanattcta	agcctncact	gatgtgcagg	60
gcgagagcccc	ttcggccttg	tgtttcattt	tacggctttg	gcctttgttc	ttccttgcca	120
gatacatttc	tctatgtaca	cttgccgtag	gctataaccc	tacccaaact	ttccggcggt	180
ttcttctgtg	cctaccangc	ttggtcttgt	actgtggtct	tgccaaaacc	aatctatggt	240
tggaaccgta	cccaacatta	acccggccac	catcattgtc	gtatcaaaca	agaaagcttg	300
ccagagagga	atctacgaaa	gcatgcttac	taccttaacg	attgganatc	atttccatga	360
cttctcgcgg	cttcacatat	ggcgagagaa	ggggaactac	angacgtctt	ctactgatac	420
tatacaaatg	tcttcactat	aaactcactt	tggtggatgt	aatggaacac	tcactgatga	480
tcatggcccc	aaataacaat	gag				503

<210>	33135
<211>	285
<212>	DNA
<213>	Glycine max

<400> 33135

cattggttac tgtgggttcgt tggcaaataa tggttgtgat ggtgggttggg gtgattgtta	60
acggcggaag taaggtacta caacttcgat ctagtttttt tccgtataaa acttacaaat	120
taataatccg tatattatat aaaacttatg gattatcaat ccgtaatta tatataacct	180
acggattatc aatctgtaaa aagacaatcc atatgaatta tgcaaatgtt cagtaatccg	240
tatagtccat acggattctc aatccgtata aaccagtgct aaatg	285

<210>	33136
<211>	527
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      33136
```

gagtnnnncan	caggggnggn	ancctcnggc	tagcatgata	ccctgnana	tcaaannnnn	60
nacnnnnccc	nnanncnan	agagagaacc	cacacttcac	ttgtttcctt	tcacaacgca	120
cagaggggtg	cgagtcgaat	taaacatgaa	tgcataacca	tcgatagttg	tgacagtatt	180
gacaccacat	ataacattca	tctaagacat	aggggtgaat	cacatctcat	attcattaag	240

agataatact gcttatcttg gcttgcccaa acatcttgga atacaaacgt gttaactgga 300
 actacttatg tgggacatcg actctatcat atggagaaaa tattctgtta tcccattaac 360
 tctctcaaga gccgaggata ccgctggcct gtctttggat agattctaac atcgaagact 420
 ggactccatg ctagtgaagc tatccatgat ccctagatac tgtacggcaa gaggtgtaga 480
 gatatacgat gctatgggtg ccaaccatct aatctgcctg gcttccg 527

<210> 33137
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 33137

gattaaagat caatatgcaa ctgatgaatt agtagagtga cctctaatat tacttaagca 60
 tccttgcat aattgctgca aaccgcact tactgcctgc accttgatag aatatgaaga 120
 gataggactt tcaaaatgta ctaatagaga ttgtaattga acacaacaat ttctatgtat 180
 aagatgtgtg atacttagat gtgtatt 207

<210> 33138
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33138

agcttgagag ggtgttgggt gatggaaccc taaccctagt ggaattggga tcgagttgag 60
 gaggaagagg agagaganat tgaagccgaa agaaagagaa ggatgcgtcg tttgtatgtg 120
 tggtagcaac gaactccttt tactgagaat tgaggcaaca tcggaaatga agagaagaga 180
 aagaggtaga gagagggaag agaaagactc anagaagagg caaagagagg gaagacaaag 240
 aggcagagaa gagcagagag agggagaag catgaccagt gcgctgcccg atgcgagaaa 300
 gagaaaatca caataacaag aaaaagccta ttaacaactg taatgagaga gaaa 354

<210> 33139
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 33139

ttcttcacta gtaatcgatt acacatttat attntgaagg gtcattgactn ttcaacttga 60
 atatcaagaa tctcgttgct ggtaatcgat taaaaacatc cggtaatcaa ttacaagtnt 120
 aaaattcaaa ttcaaaaccc tttttaaaag ttttttttca aaattgtatc ttggtaatcg 180
 attacactgc ctggtaatcg attaccagag ccttgatctc ttggaaacac ttgttntgaa 240
 gcaaaagctt gatcttgaat taatcttgaa gcattgcttg tttggtgaag caaccttgta 300
 tttatcttga agcaatgttt aacctttgaa tggtngttga agaattcttga aaacaacctt 360
 gtttgattat tctttg 376

<210> 33140

<211> 326

<212> DNA

<213> Glycine max

<400> 33140

gagctctaga ttgaaagagg agaatacttg ttaagagac aaattgacaa cgtcagaaga 60
 caatgtcaag acattaaaaa atgtcatgct tgcatacatc caaatgaagg aaggatatat 120
 tccttttgag ttaggtgcta tgtttggtca taacactagt aatgtagggtg taagtacttc 180
 tcttagtctt gtgttacatt tgatatatta ttaacattcg acgtgaaaag attgttattt 240
 cataccatga atgaagtgga cataatgtgc caacaccaag aggaggctca tcattagata 300
 cgaatctcca tgcaacttga catatg 326

<210> 33141

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33141

gggcaccgga ctacgattca tagncnnacg cgacacttag aaactcaacc tgatgcatgg 60
 cgtcagctct ataggatgcc atatacctta ctgctatctc cctanacaga ggcgcggaca 120
 atcgattgtc tcatcggcaa caccacagag actgacaana cccagccttg ccgcaggctt 180
 atcagggtgcg tactcatcca gctttggact ggggcgatat agcgaacaag ctcgagcgat 240
 tgectgtcct caagaaaaca ggctgaacat cattagggca cgcaccttaa cttctgcgac 300

acatgaagct ggattgcaac cgtactgatt acccgatgtg aatcagttcg atgcgcctgc 360
 tgggctgccg tagacgttta gagcggcaac tcgaaacttt gtctacatga actataacaa 420
 tgtccttcct ataacttaac tgttggggag gtcactgacc actacaacgt tggcactggg 480
 gacccacaat gatgtaacn 499

<210> 33142
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33142

agctttaacc tcattgtctc tcacagacnc tagagaaggg agcgggtgca ttccttgtgt 60
 ccggactctc aaccacttat gatagccgcc gatgatccca ttactgcttc cgactagctc 120
 tctgaccttt cttaacgccg cataccatgc cttgcgaact ccttggagta ccctagcatt 180
 gtggtcactg aaacctcgtg cgatgaaagg cgtgatgctt acgtctgatg gtgctcctct 240
 catgggacat tcttcgcatg aagatagaat cctga 275

<210> 33143
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33143

gnnccgctga taggaaaagc tgnangtacn nntagnanna tctgacacac tatacaccac 60
 tcaaccgncg tgatgaagag tagagggact catgtagttt ngataatgat tcacangacg 120
 acgaacagcc caaagagtga tttcaagatt gactcaaccc ctccaagatc aagtttaatt 180
 tcaagtttct tgaacagag atcacgaaga ttccagattc tagagacagt tgacttcaag 240
 attcaagaga agatgaattc cagttcagga gaagaaatcc caagactttc ccagggacgt 300
 ttggaaagat tttcaaaaac aaccttgcc tgtcttggtt ccaaagaagt ttcttacatt 360
 ttttaactac agaagtttac tctctctatc catacccccg gcaagttggg ttctagcgtt 420
 caccggattg caccatccat cgattccaaa tgggtacctt tacagggttg ggatccgtcc 480
 ccgtgtttaa cttgatttca aacattggga gtgcct 516

<210> 33144
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33144

agcttgtaat gttacacagt cctacaaaac tccgaatgat cgttggtctt catattgtnt 60
tggtaacgca aaccgccctc tactacttca actactgttt gagggcactt gtcccataat 120
tttaaaacaa tatatatatt tgggttgaat ggttcatgct ataatagctt tcagaaattc 180
acccccctc ttaagttatt gagggcactt gtccaacaat tttaaacata tatatatata 240
tatatttggg ttgaatggtc atgctatcat agctctcaa tattcttgaa aataatataa 300
ttggat 306

<210> 33145
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33145

ggggggccgg gggcctgnng nttcctgtnn caaaacttcc aatagcttgt gggccatctg 60
caagcatatt gttggttttn accacggacg tacttaagca aatggataca ctctccataa 120
tgaacatcat gatattacag cagctatcgc tatttcttac aacgtatctg cccagaattt 180
ataaccgaaa atgcccgaat aaataaagca ctcgacaca atattaccga ctacatgtgt 240
ttgtacttca taacacttcc tggctaatta atactcatct aaacgtttgg gacataatgc 300
ctccccattg tttatatctt catccccctg tgagatctga attaccaaac ggctattagc 360
ttttagaatc gtctagcgat gattaataaat tcttc 395

<210> 33146
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33146

gagaacattc ctatctgatt ggcatttaca taagtaatgc ttatgttatg gtatagttaa 180
catcattntg ttgcatatth acactctata ttaacttaat ttgtatagat gcaattgcc 240
ctaattgtgtt tattattnta tttgtatagg aacatggcta caccaccaag ctaccttct 300
cctaatacncc agcttctata gactctacct ctaggaggac taaacaatgt acacggctca 360
taag 364

<210> 33149
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33149

aggagggaaa cagtggctct gaatgctctg cctaaaaacc tngaaannac acagnaccag 60
gagangccgg accagncgac ccgacgcacg cgaaccacag gtttagttgc caatgcctac 120
cagccaacac aggggaggag cccgaggcac gcaaaataag accacaccag acttcttgag 180
aagaaccatc cgcaagacaa acgagagaca caaccgtgcc aaaaatccca caggagccac 240
agagtagacc gcacacaacc gcaaagggct gcaccagaac ccctcagaaa aaaagcaaaa 300
cccgggataa cgccccaccg catattcagg agcaagcccc tgcggaggag tagaacaac 360
caaagaagca cctccacca cacacgcca gagcacagca agccagggaa aaccgacagg 420
cccgaacaaa ggaccacaaa gagaagagcc atcagattaa cggagaaagg gacgcaccac 480
gcgacggcag gggaagaccc cg 502

<210> 33150
<211> 281
<212> DNA
<213> Glycine max

<400> 33150

gcgaatcctg cgctaaaggc gtgatcacga ccatacttgt taagcccaaa aagtcgctt 60
aatacgaggt cgctgagct tacttaagcc tataagagga gtaggaagca cacgaaaaag 120
acacaccgag actaagagtt atctaaagaa tacatactat gtctgagcat cccaaataag 180
aaaaatcttt attctatggc aatcattccc gtcattcac tttattcatc taattcctta 240
atctattcac atgacctttt aaagtatgaa gcatgaccat g 281

<210> 33151
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33151

agtacagtac cattcanata taaaagtggc cncattctat catatngcaa tnaccaagct 60
 gtctggcttt gacgaggaat taaaaggaa aaattctttt aatttttagcc ttgttaaaaa 120
 aataaaaaat aaaaacactg tactttttatc ctctaccaca tagaagccac tatgatactt 180
 aacgagctct atctagcatt ttggactcgc ttaattaaat gagtaattga aggactactc 240
 taactattttt tttttttttac cagcgtctat aaacattagt taagaaatta aaatatatat 300
 atatatttat tataaaaatt atatgagagg gtcaaaaaag tatgaagaat atattttatac 360
 tatctataaa atatattggt ttaattttta actatgtctt agacatc 407

<210> 33152
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33152

acgtaaatcg tatactagca ctancanctg nanaacnaca aacngtgatg ctgtaagcga 60
 cctgcatgca tgcagccaat gtgtcttaag ctattggcga ggacaggggc gcgatctggc 120
 gacttttact tccgtactgc ctccggatcg aacgtcgaat gctgcatggt cgttaaaccc 180
 tgtccgtggg aaagggtcaa agttgaacct aggagctctt aactagtatg acacacctac 240
 ttagacgaca gcagggataa cttaccacag ttacttttgc attttggagg aaaagtagat 300
 gccatacctc aggacntgcy actatgctat ttctgacagc atgtacagaa caacactgta 360
 cctaactgag atatcacgtt acttaggagc tcgcatcccc gcttcaattg gacgcggctc 420
 acgactaggc tgtacaccat cc 442

<210> 33153
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33153

cggacgttna acgacgatga ctgangncan nnannngacc gggagcgaac gaggaccgac 60
cggacgaagc acttttcattt ctcaaccgca aacagaaagg gcggggcgca gaacacccaaa 120
cagaccccc agaggcaacg aaagggggag gaaccaacgg cggacgggga cacgccaaan 180
cacagaagcg acaagacaga ggagaaacgg caccgagaga aaacaacaag ccgagcagca 240
accacacaaa ataacacccc cacgcagcga agaagcgcg c tagcccgacg agagacccaaa 300
aaagccagcc gacggcgcac gtgtaaaaca agacaacgag caacaacgac aacacatgct 360
cagcaggaac ggaagcaaag aagaacacga gaaaaggacc ccgcgcctaa gaataaccaa 420
aacaacacga cggcccggcc aggcgacagg cgcaaggaaa ccgcggcn 468

<210> 33154
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33154

agcgacgacg tnttanagca tgcttgaaac tggaaaancc gccanaccgg ggtcccaaga 60
gctaacagcc gccgccactt ttttcttcgt tctggacaaa cagggggggg ggatgtcgga 120
aatccatata tctctagtca tctctcctc atagacggtg atccatctc acacaagctc 180
tattgatgaa ccaccatcat gagactcgat ctctagaaat accctaacgg aaacgtctcg 240
ctctacactt gaagaccac accgctgatt tctcacgcat taaggtacaa actgccctag 300
catgtcatat gcttgacatt cggttagacta ctttctcact atgttagtta ctcgtaacac 360
ctgtgctact aaactattgg cgggatggca aagtaaagg actgggcatc aatgaacact 420
ctacggaaca gttacttacc ataaccctca c 451

<210> 33155
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33155

caccttatct gggggagcct aattctaaat gtngtatttg tgctcggggn tatcattcgc 60
 tgaggggtga ttatatattat atatttatcc ctatacattn taaaattntc attnttattt 120
 ttattttttt atttctcaat ttataagtnt aagatgacat ttggtatttt attaattnta 180
 cttataatgt actaatgttg atacgactgt agagatatta ccaatcctta tttatttaac 240
 ttctccatga agattgtaat tatcaatcct tattacttta aatgcctatc agtccatttt 300
 cctttntgca aatttgaatt ttcgccattg gctaaaaact gtactagaat atgaatgaat 360
 gtgaattgat aatgggtgct agaaaacatt gtagtgcaga cagtagatgt ggcttggtag 420
 ctaaaagatt ggactatatg tatatat 447

<210> 33156
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33156

agcntttcnt ttagnatana cttccttgga gaagctaaga gctngaggct acaccacacg 60
 cccttattaa tggactacag cttaccttcc tctggagata gcttcctttg gagaaatttc 120
 cgttgagaaa gcnnttcctt gagaagaatt cctagagaag ctatgagctt atctacacac 180
 acctctctaa tagctaagct cacctccttg agaagagaag ctagagccta gctacacacc 240
 cctcataata gctaagctca ccctatgaca aaatanatga gaatacaaaa gaagtcccta 300
 ctacaaagac aactcaaaat gccctgaaat acaaggctaa aacagaatgg ccaaatacaa 360
 ggcccaaaag aaagaaaaac ctattcaaat atttaciaag aagagtggat ccaaccttgg 420
 cccatgggct cagaaatcta ccttgg 446

<210> 33157
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33157

ctatcatgag taaagatcgn ttaccactc attaatataa ctagcttatt gctagcaaaa 60
 tcgagtcata ttcatagtcc tgatgctttc aatgttaatt tccttattgt ggtaatgctt 120

cttctgatga tgagatggct tttgatctga ggatgaatct tctccacccc aaaaggatc 180
 ctgcagtgca agattgagca nagttgtacc aaaaaagtca tccgtgtcca tattttaaca 240
 aaggagtaca ccttttccaa tggaaacgac cttctaagga gactgcattc cctactagca 300
 atgtgttgaa tgatattt 318

<210> 33158
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33158

aggatgggtt gttgtatgct ganactggaa aaccanacnn ccggtgtccan agagcgaccg 60
 agcagcaact tctataattc taaaaacaac gggaggggtg gaaagaaaat acacctattc 120
 ccataatcta gcagctcgca gcaactgaag ccttgccaca tataggatgc gaatcttcga 180
 gaatcctcac acaagttgcc taaaataaag gttacactga cccaacactt ataactccaa 240
 tggccaggaa tagacgccta ctattgaaag catagactag aagtaacaca atctccaagc 300
 tcacactgga gaatatgcat atgaactagc tcacttaaaa gactaaacca cttgaatata 360
 cataacaaaa aagaccacc tgatcttata ctaatgaaag cn 402

<210> 33159
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 33159

agcttctgat ggtgccctat tgtgtgctgt tttttttttt agacaaattc ccttagcaat 60
 cccccaaatt aaggacttat cataacttga aacccttatg ctttcttaga accctaaaac 120
 aaggtaagg atatcaaat taagctcagg ggtttattca aacaaatcat tattactttt 180
 ggctcaacag gggtgcaagg gataaattca tcacagggtta gctttttggc tgagtggcta 240
 aaataaaaag aaacatggcc ttgatcatat ccaccttatg taaataatct aacagtctaa 300
 gaatgatgca aaattaataa tttaaaaaca gacgttctct cataattaat gtcacacagc 360
 tcaccgggac aagataaagt tatcggtta ccgaaccatg atctc 405

<210> 33160
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 33160

atgagttctg gttgcaacct tgtctttcca ttttttatg tgtgcatatc ttttcattct 60
 cgtctccctt tgccaaaaag aattcgacaa ggactaacca cctgaattct ttttgtgtct 120
 ctcttctccc ttttctaaaa gaacaaagga ctaatcgctt gaattctttt gtgtctccct 180
 tctccctttt caaagaattc aaaaagacac agtctgagaa ttcttttgat tcttcccttt 240
 cccttaaaca aaagatttca aaggactaac cgcttgagat atcttttggt tccccttcat 300
 aaagattcaa tagactaacc cgctgagaac tttgtcttaa cacattggag ggtaca 356

<210> 33161
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 33161

ggtttgcatt cttggtttta caatctatat gcgtcggctt aagaggaata ttagatttat 60
 gttatctttt gtttatccaa tagtacttgc ttatagtatt aaaactttct tatacctttt 120
 ttttttctg taaacttata tatatatata tatatatata tatatatata tatatatcaa 180
 agtctattga gtgtgtggga cactctacaa ttattctcaa ctacatataa catgatcatt 240
 ttatgttcat tgaaaattgc gtcttaactt gattttcatg attgatgtta attatcactt 300
 aatatcttgt atagtataaa aaatatctac ttaaataaat tggcatgacc gttatgatcc 360
 ttttaaggaaa aaaaattgac cg 382

<210> 33162
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33162

gggaggnntt tgtgcctent agcactcgaa aaccngaccg ggatcttaca gggacctcag 60
 atgcaaccgg ctgctatctc tttgtggaca caagagcgta gccggagtga accaaccgtg 120

ttgtaaaagg acttgcataat cttcttactt tttgccagta ggccgatctg ttgcattcct 180
 tcgtgaagac acatatcaat tttcttttatt agaacacatt atcctatccc actaacccaa 240
 atacccaaaac ggaggcatgt aaccctacat ctattaaaaa aacgcagagg tgcctcatgg 300
 gacatcttac taccctggag gactactagc cgcaaactt caccagccat atcttaaagg 360
 taccggttta tgaacttcag actgatcagc aagacatata gaa 403

<210> 33163
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33163

agcttgatc tcttgtgcaa tntcttagtc acttaaaaag ttatgacttt agaaataatc 60
 ttcagaaaca agtcacttga agaattgtga cttttggaaa tgtatttttc gaaatcagtc 120
 actggtaatc gattaccatt gaggtgtaat tgattacaca tcaacatatg tgactcttca 180
 ttttgaattc tgaaaatctt aaagttttta aacactagta atcgattaca gctttgtaaa 240
 tcagtttgaa aaacaatgca agctactagt aatcgattac taccttctgg taatcgatta 300
 ccagagagta aaactctttg gtaaaagatt ntgtgaaaac ttcattgtgca actcaatgtt 360
 ttgaanaact ttntagtact tatcttgatn gactcttctc ttgattcttg aatcttgatc 420
 ttgat 425

<210> 33164
 <211> 326
 <212> DNA
 <213> Glycine max
 <400> 33164

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 agcatcttaa cttatatgaa tcatgacaat atgttattca ataatgcaat taatgaaata 240
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<210> 33165
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33165

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ctccttttgc aggtggagct gatattgagg aggaggaact aacagatttg aggtcaaadc 180
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tgaaccttat ggtagatttc tgagcccatg ggccaaagtt ggggtccaatt atctttgtac 360
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<211> 278
<212> DNA
<213> Glycine max

<400> 33166

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agaagctaga gcttatctac acacacctat ctaaaaacta agctcacctg ctggagaagc 180
tttcttgaga agctagagct tatctacaca caccgctcta ataactaagc tcacctactt 240
gagaagagaa gctagagctt aactagacac ccttataa 278

<210> 33167
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33167

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cgattctttt ggcattcgcg nttgtggagg acacgtaatc aaactttcct cttttcaatc 180
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 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgcgca tattctntaa 360
 aagtttcacc ctctttcttg aacatattct gcagttgagt acggtcagga gccatatca 419

<210> 33168
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 acaagtnhta aagtcacact agtgggcatg atctccaact ctcccaacct tctgcacatg 240
 gagagtggca ttaagttaat attggctcct tggacagagt ggcatttgct gtaaagcttt 300
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<210> 33169
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 33169

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 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33170

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 ttcttcatgg tgtcttgtgc cttttgaaaa cgatgttgta acttccggtg gatctcttga 300
 cgcgagtgtg gcatg 315

<210> 33171
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33171

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 caatatatta tgcgcctgaa tctgacctcc gtgtggaaaag ttatgaccat ttgaatttct 180
 cgacagcttc cattgttcaa tttcgagcgt ctcgatatat tatgcgcctg aatcggacct 240
 ccgagtgaag agttatgacc atttgaattt ctcgagagct tccgttggtc aatttcgagg 300
 gtctcgatat attatgtgcc tgaatcggac atccgagtga aaagttatga ccattttaat 360
 tgctcaagag ctccattga tcaattttgt acgtctcgat atattatgcg cctg 414

<210> 33172
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 aactaaacac tctaacaatt gagacaaaagt ggtgtcattt aatcctcctt catatgggcc 360
 atgataacaac tcaca 375

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 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 gactaccag gctctttcaa gctttgcctt tagggttgta cctcatcact ttcttcgaa 300
 gctttaacct cgtcatctct catagtctnt agatgtggga gccaatccaa tccttgtgtc 360
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<210> 33174
 <211> 375
 <212> DNA
 <213> Glycine max
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 cgtagcccat atcctttttt ctctcaaac cgggtcccca tcaatcctcc caagctttcc 180
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 cataggcaga atactctgcc aaaacaccaa ccaaatacaca gcttttctca cttaaagacc 300
 ccagtaacaa ttcttcgat ccaattcggg aaccgttggg tcgactcaaa attttactgg 360

aagtctataa tacat

375

<210> 33175
<211> 125
<212> DNA
<213> Glycine max

<400> 33175

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catgacgggg ggaggcgcca cgggctaagc agtgccggcg agcggggagg tggaagccgt 120
gaaag 125

<210> 33176
<211> 416
<212> DNA
<213> Glycine max

<400> 33176

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aaagagtgag agcacattgc agagaagaag caccaacgaa atgccaaaaa tgtagtttaa 180
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tgccttgctt agcgcatcaa ctgcctaagc gagcatacat aacgtttaag attccaaaca 300
cacgcactta gcatgcaaac tcgcttagcc caatgaaaaa attcaaattt tccagagaag 360
actttgggct tatcgatgaag agtcgtcgct agcgaataat catgctcctt aaatgt 416

<210> 33177
<211> 117
<212> DNA
<213> Glycine max

<400> 33177
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<210> 33178
<211> 51

Abstract—The purpose of this study was to determine the effect of a 10-min warm-up on the heart rate (HR) and oxygen consumption ($\dot{V}O_2$) of 10 male and 10 female subjects during a 10-min work period. The subjects were divided into two groups: a control group and an experimental group. The control group performed the work period without a warm-up, while the experimental group performed the work period after a 10-min warm-up. The HR and $\dot{V}O_2$ were measured at the beginning and end of the work period. The results showed that the experimental group had a significantly higher HR and $\dot{V}O_2$ at the end of the work period compared to the control group. This suggests that a 10-min warm-up can increase the HR and $\dot{V}O_2$ of subjects during a 10-min work period.

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<223>      unsure at all n locations
<400>      33179
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gtcttttgtg	tttttaaaaa	atctaacatt	tcgattttga	aaaccaaata	tgtgattttt	240
atgtctgctc	cctccccagt	ggatttctat	attgtgttct	tgggtggagga	acgcactaaa	300
gctgcggttt	ttattttcaa	actctatgag	tacacgttcc	ttttgttggt	gacttctcac	360
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<223>      unsure at all n locations
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accgaagcgg	agtc					374

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<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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tgtcatttca ccatgccata tccacgtcgt ataatttctc ttaattccat cacacaacag 300
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ataatattnt ccatcttca 379

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<211> 270
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33185

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atgaatgaat agtgcataaa atcctgggtca ctatacccgat tatgtctgaa tctaagatat 180

cagcattgga tgattctaaa gacctgtcaa ccatcacctt gcgagaactc atatatgctc 240
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 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33186

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 caagttgcac acataaaatg tggtaacata aaggtataca caatatggct cacattaagt 240
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<210> 33187
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 gtgcataatg taaatagctt gccgatatga ataaatgtga atgaaacaat aaaaaanaaa 360
 tttgtatgat atatatntca aacatatgt 389

<210> 33188
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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t 421

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<210> 33189
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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gtcgttgaat tgg 493

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<210> 33190
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
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 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 gcccctcctt atggcattga cttcccaaca cacagacca ctggacgctt ctctaacggc 180
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<210> 33192
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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taattactat gttgtccatt ctaanatgaa tattaattaa ta 402

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<211> 118
<212> DNA
<213> Glycine max

<400> 33193

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<210> 33194
<211> 342
<212> DNA
<213> Glycine max

<400> 33194

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tccattacca atgctttaaa acagctaaaa atgattttgt aagtgtcgaa tcgattacac 300
atcatatata atcgattacc atagcttttg aacattgcac at 342

<210> 33195
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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atggtcataa cttatcacac ggtagtccga ttctgggtgca taacatattg agactcttaa 360
aattgaac 368

<210> 33196
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33196

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tgtttactca tgcattgatc tgacacatat ttgctcatgc cttgcatnt ctgcaaaaaa 240
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gtttacacca cattcttagt taaatgtgtt gggtagcatg atgatagcta taaaccaacc 360
atgttgggat tataactca tttctcttan naaatgattg anaatcatgt gaacat 416

<210> 33197
<211> 332
<212> DNA
<213> Glycine max

<400> 33197

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tgtgacttca ttttgaattt tgaaaattaa aacgttttaa gactctggta atcgattaca 180
agtgttgtgt aatcgattac acaagtttaa aatgatttaa aactgggtta cacaagttgt 240
aactcttgga atttgaaatc ttaacattat aaaacactgg taatcgatta ctaccttctg 300
gtaatcgatt tcagagagta aaactctttg gt 332

<210> 33198
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33198

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 ctccaacgca acaggtgctt gtcacggtaa agccctgggg cattccattg atcattgtac 180
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<210> 33199
 <211> 399
 <212> DNA
 <213> Glycine max

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 caacatcttt caatcaatct ttcaatatct tttctataga attttctaatt tcatttctct 180
 tcattctttct aaaagttttt tatcaacact ttctcttcca agaaaagttc tttgttcaaa 240
 aacttggtgct attcatcttt ttcattctct tctccctttg ccaaaagaac gaaagactaa 300
 ctgcttgaat tcttttgtgt ttctcttctc ccttacaata gattcaaagg actaacggcc 360
 tgagaattct tttgattctt ccttttccct taagcaaaa 399

<210> 33200
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 33200
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 tacaattgga ttctacagct atatgttagg aaattcacat ttttaaggat tgatcacgtg 180
 tgaaagttac gattcataat gtggaatgcc ttacaaagct tatggaacta ctaggtgggt 240

tcctaagtgt atttgttaaa aaatggcgaa tatataacat aaaggggaac ttgtggtatt 300
aaagctgatt gaatgtatac atgcatacat gacattac 338

<210> 33201
<211> 407
<212> DNA
<213> Glycine max

<400> 33201

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aactcgacat cccttcgagc atagtcttga gggctctcgt ggacctcgtc gggctgttgg 180
ggaggctctc tttcaaggac aggagaagca atatggcccg catcgtcttg catgacagga 240
ggtgagtagt tgggcggcaa tccataaggg taagccgctc ggttgtatcc cagatgaggg 300
ttgccatcat gcccagcgt gttccttccc cctcctacta tgtttgaggg aggatggcgc 360
gcggttgcca agagagttgg gtctgctttg gcagccgaac tgacagc 407

<210> 33202
<211> 309
<212> DNA
<213> Glycine max

<400> 33202

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ttttatctgt ttcttaaatg gccatcaagg gcttatatat atgtgacttg agacacgaat 120
ttaacaagag tttttcagaa caaaaaagtc ttatcctctt ataaagcaaa atcgggtttat 180
cctcttacia attccttggc caaaacactt gtgattcaat aaggaattat ttgagtgtc 240
aaattgttca atctatctct ttcaagagag atttcttctt ctcttcttct ttattctgaa 300
aagggatta 309

<210> 33203
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33203

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 tggacgggct gtttagtttg cacggcgtgc tgaacacgcg cgaggagagt ctcaataggg 120
 gtgtgaaaaga gatgcancat gagatggatg ctttgagca gcagttacag atgggtgttga 180
 tgaatactga tgtnttggaa ggggtggttga tggataatca ggggaagaag atggccggtt 240
 tggagaatcc cgaggatgct tttgagtgtg cggatgtgct ctccaagcat atgcttgact 300
 gtactgctgc tgatttggcg attgaggaca cgctt 335

<210> 33204
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33204

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 ccgggggcttt ggggcttcat atatataatt tactcttttag anangcaaag ngncnttgga 120
 aagttcgtag tctttgtgct agctctcaag acacgtgggt tcaacggtga tgagactttt 180
 ttttttcttt tttgcangct ggcaagataa gacgaaaaga aaaaacgccc cnttcttaga 240
 tcttttgcag aaattgcatt gcaaattaaa taaatccctc tttgtttcca ttaagaaaat 300
 cttacagtga agaaaagttg aaacatttct cattgggtaa gcataatgct gatgctggaa 360
 gtgatcacta cttcaattac cgaacaacct atccaactaa aaatcttgtg aacatgatat 420
 gaggttatat aaaacatatt tcaatactgc gcagttcagt attgcttgag taccaaattt 480
 accctcggtat tatatgataa ccaatatcat ggtctgagaa tgaaaag 527

<210> 33205
 <211> 318
 <212> DNA
 <213> Glycine max
 <400> 33205

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 taataaatca tttgcctttt aaaaaaaaaat taaacttcac caggaattga aatcatgcaa 120
 gtcggtgaca attagagcat ctaacatatc aatggcgaca atatttgtac tcccttgctt 180

caaataaag gaaaaaatat attctcttaa tctcaaata aaaaaataac tgatttcaca 240
 ctattaaata gcactatccc tctcgaacat ctttgatcta attgatgtcc taattacaat 300
 aactatactt tatcatta 318

<210> 33206
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33206

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 aatgtttgaa aagcatgtat gaaaatgatg aaacttttgg agaaattttt aaaattgtga 120
 aaattcttca gaaaatgggt tcttttagaca tgaaggcttt cttttcaaag aaaaaaatt 180
 gtgtgtgcct aaatgttcta ctagaaattt gcttgtttgt gaagcacatg aagganggtt 240
 aatggngcat tntgggggtcc aaaagaactc tagaaaatta caagaacatt tt 292

<210> 33207
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33207

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 ctaggctatt tgaattcttt agttcctgaa tgtacaacct tcanattggt gctcgttccc 120
 ctctttattt tctggcaaaa ataaaatcaa tatcaaagaa aacagagaat tgtcatgggt 180
 attattactc gaaccagaag gaataacatc taaacaagtc attntattct tagaatgtga 240
 aaactctgca tatttatgga gaacatggng tatggaggca cgtaagtatg tgaataccac 300
 aagtcattnt ctccaattca agggattgat taattgctct aggaaaaaaa catacatctg 360
 gtatattggt tggtttgcag ctgtttggag catttgga 398

<210> 33208
 <211> 225
 <212> DNA
 <213> Glycine max

ccaagaaact tacgagttgt tattctcact ttcgtattag tatttgcacc catactttc 299

<210> 33211
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33211

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 gcgactgggc cctttcttcc cttegcaact tgagttcatt attgctaccc catagagctc 120
 cgcgaaattt gttccggcca tactcttctt tgtgagccct cttgggtctct tgttcaaggg 180
 ctcttgcggt aattgcatte tcttcccgtt acccggcaca ctcttccga acgtgtgtag 240
 cagecaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300
 ggacttcttc gtctcttcc ggtgcttcaa aattctcttc gctgacgact nttaacttgg 360
 cgagccaatc taaacctcgt atgcgaactt tcagccattc gt 402

<210> 33212
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33212

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 ntgaggggtg cgtagcccca cccatcttnn ttcatagtag aagtatctta tatatgtgtt 120
 cntacncatc acgaantatt cgtcgtcgcc tttttctatc tattgnnggg gtacnncaca 180
 nntgggcccc gccagaaat cctttccacn ccttttanag cnngtgnnnt ctttgaaaag 240
 atcacgcttc cccctctttc ttgcaaattg ttctatatat tgcattccta ttccggaacc 300
 catatcaaaa tatgtactga tacttgcta accaaaggca accatatagg tctcttccaa 360
 gaatggactc cggaagattc caagttagtg taccacgtaa cagctacccc agtaagactt 420
 tcttggaagg aatgtattac acattctcat cttttgcgta ttccccatc ttctgacaat 480
 acatctttat atggttcgtt gggaaaagaa gtcccccttt tccttgtaa ggtcccagca 540
 ccttggacct tgggaggggt gatgatattg tgggtctaggn 580

<210> 33213
<211> 276
<212> DNA
<213> Glycine max

<400> 33213

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agcgacttgc aggtcctagt ttctctgaag gcttgctcat gccacacat tcaactcact 120
tgcaggaatt tccggatcat gccaatgtgc ttcgtctaag agatgatggg cccaaccttt 180
agacatggat gctgtacttg atagcattaa gaaactgtca tcatgtggac tcatcgcagc 240
aggaggagtc atcttaaaaa aatcaaata gccact 276

<210> 33214
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33214

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atgggaagcc tcgggaaaat ggacagaagg agaacgaggg aggaacccat gctgtgactg 120
tcgttcctag atggccaaat tccccactaa ctcaacaata tcaataatca ggccaatata 180
aacccttctc attaccacac acctatcaac caacaatgct ctataagtcc acaaatgcta 240
cccctagatc agccactaga cccacctgcc acacata 277

<210> 33215
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33215

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ccnncananc gaccngcagg cngcaagcnn gntttgnant tttgtnaaca cccacacnc 120
cgggggcagg gagagattca aacaccaccc caccgcccga aacaagnaca aagttnggaa 180
gacaccacca tcacaaaggg aagataacgc caggagagac ccacaaggac caccgcggga 240

agccccgaaaa aagggaaca acgaaccag agagaagccc cagaaaaaaa tgcgaaagcc 300
 aaaagcccct gcaaggaaaa cgagcccaca caaccacgga aacgagcagc agcggaagc 360
 acaaataaaa tcaatcaaaa ggaaaaacga aaatacaaaa gagatggagg gccagccaa 420
 aaagctgggc cacagggaga caaagaaaca gaacgaaaaa caactggcag gcccgccaa 480
 gcact 485

<210> 33216
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33216

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 tacgagtgtg acttcgaaaa ttcaggtttg ggtggacttc tttctctctt aaatttcgtg 120
 ggtatggggg tttgggagat atgatagggt ggtttgttag atttctgctg tgtaatgatt 180
 atttgtgaag gaacttggtt aaagcttggt gaaattgcc tgtttggatg agttagacat 240
 acccattctg ttttaggggt ttgtgatgat gtttatatgc tgaaattgcc tatggaaact 300
 gtt 303

<210> 33217
 <211> 636
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33217

tgannttcat accncncgc nnnccgggga gtaacggatt cacnacnnat ngncnacncc 60
 anggnnga atgnagctcg gtacgccggt gatccatcta gaagtcgacc gtgcagcgcc 120
 agtgcaagct ttgtacttat gtctgtatga gcaatntnca atgaacgttg catgaaggga 180
 ttnttatctt catcaacagc gcatntcatc atattaacac tatagggtcc cttcactaga 240
 gtctatcgat ttcaaagaat gtngcatcgt gaactagtct gataacatgt ctgctttctt 300
 aaatattgac attttgacat gtttagcgaca atagcaaata gataatgtga gagcaaataa 360
 cagtcttcac ttaattgaat gttcataaga ttcgagtaca tgacatatct attatatgag 420

gtacttgcaa gcttgtaaca tgcgtgcata tcgtgagcta aaatgactta tctatatctt 480
 gtttatacaa taatagatta taacacgcat ttctttggaa ttttgtatga tagcatctct 540
 gtacaaagta acgatcgatc cagtactcca gaatgaatgt gtggccttata cgtgggggcat 600
 acattcttac gaacatgagg tntggaaggt gttctg 636

<210> 33218
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33218

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 agagctaaat tctccaatgg tcatcctcca attgcaactt tggtaatatt caagaaaaat 120
 attatgtagt aattgatttg agaaacatct atanaaataa agtcagttga aagattagag 180
 ataaatttag atttgtacct tgattgttga taatctcctt tgctcatgta aaatgccacc 240
 cactaagaat actcatgtat gctgccanac atgnntaggt ctattgatac ggtagaagaat 300
 caacattgtt acaaataact ttctgaggta atgacttga 339

<210> 33219
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33219

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 taccttatga ccagaagtgg tacatcaaac cacaagaag gtcaagttta tccaagaaaa 120
 gatgacgact gctcanagta tgcagaaaag ttatcatgat aagatgatga atgatcttga 180
 attcgagggt ggtgatcatg tattcttgag agtcactccc tggactgggg tttgtcgagc 240
 attgaaatcc cgaaaactaa cacctcgctt tattgggtcca tttcaaattc ttaagagaag 300
 ttgccctgtg gcataccaaa ttgcattacc ccgtcttttt ctatcttcac aatgtctatc 360
 atgntgtctc aactcataag tatatccctg atccatccca tgtgattgaa tt 412

<210> 33220

<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33220

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tcaagagttt gatgaaacta atatttgaca aaaagctcca agtcgggagc ttttgtgant 120
acaagatgat gatctcagaa tcaagaatga gntcagatga atcaagacac ttcaggttca 180
aagganattg attcagaatc agaatcagtt tcagattcag tccaagatca gatcagattc 240
agatcagaga gactcatcag atagttttaa aagttttcaa actggcagcc atgattttctc 300
aaactttcca agagtttact cttagtatcg atccagatat gtatcatacc agtacaaatg 360
tttcaaataa cttacacgtg aatcgaaaac atctcggaga ttaagcg 407

<210> 33221
<211> 390
<212> DNA
<213> Glycine max

<400> 33221

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aatctttaat taatgccaaa tgtttgactg atctctaatt aagcatgata tttcatgttt 120
atgcttttga ttgagcgaat tccatgcttg ggtgctaaat atttgaaaaa tttgatgtac 180
ctcgtgtttg cttactaaa ttgggtgttg ttgccaattc ctattacatg ctcattaatg 240
gtgattatgt tttaccatt caaaatctat gtttttctga tatatctatt ctttctcctt 300
ggctctacta tataaacaag tgtgggtaaa caactaatca caccactcac atctctctca 360
atttactctc tctcttgcc tctctggaac 390

<210> 33222
<211> 277
<212> DNA
<213> Glycine max

<400> 33222

atcctgatga tgggtgtacca tatgttctca tgattggact aatacatttg ctgccaagt 60
gtcattgtct tgtgaagatc ctaataagca tcttaaggag ttccatattg tttgttccac 120

catgaagccc cctgatgtcc aacaagatca tatctttcta aaggcttttc ctcattctct 180
agacggagtg gccaaagatt ggctctacta ccttgctccc aggtccattt tcagctggga 240
tgaccttaag aggggtgttct tggagaaatt attccgt 277

<210> 33223
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33223

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aagaggggtga gcagnttttg ngtgnntgna ggnnnaanag gnngagnaat tttaaaannn 120
aacccccac gcggggcaaa aaacgaaacc gcaccgncaa aaaggaaaaa ggaaaaagaa 180
cacacaaaca cgcagaggca agacaaagac aaccacaaaa cgagaaaacg aacagcaagc 240
aaagaaagga aagcgacgaa aggaagagga acaaacacac cagggcgccg anaaaaagaa 300
agagaggagg accaccagac aaaaaacaca aagaaccacc aagagcggga acggaaaacc 360
aaccacggga ccacacacaa caacaccacg aagacaaacg agaaagaaga cg 412

<210> 33224
<211> 410
<212> DNA
<213> Glycine max

<400> 33224

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccatctaa gctcacgtac tcccatgtag cccatatcct catttctctc aacaccgggt 180
ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aactgcacaa 240
gctatcacag ccaagcaaaa cagagcatag gcagaaaact ttgccaaaac accaaccaaa 300
tcacagcttt tctcacttaa agaccccagt aacaattcct tcgttctggt tcattaaccg 360
ttggatcgaa ctcgaaaatt tactggaagt ctctaatact taagcctaca 410

<210> 33225

<211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33225

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ntcaacatca ggggtggggc agcanggaca tgaaagtatc tattctatnc caatnctctc 60
cctttgnctt tgtatttagt atttttttaa aattgaacta acattctatg ctcttaagtt 120
tggttctttt tcatacttgt atataaatgt aagggtgtccc tttcataccc ctttttgtgt 180
tgcttgagaca tgcttgtag ntttttgttt tccttttctc tttntgataa tttgattgga 240
catgcttgtag agttttttgt tttccttttc tcttntgat aatttgattg atgtgtgagc 300
aatgatgggtt aggaggggag aaaaatgtct gaattctgag ctatggcatg catgcacggg 360
ccccttggtg 370
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<210> 33226
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 33226

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cgacatcccg catatgtggt gttttatgac attttgcaag acaaaagctt attttatttt 60
tggttcaacc ttctttatga gtctctattg catgcaagga aggtggaaga gcacactaca 120
ggtgcgaatt ttatctgaaa actccatgaa tacaggggcc ttttctttg 169
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<210> 33227
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 33227

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atagttaaga agacccgagt aggaatgagt tgaatttatc tatgaagcat gaaattagcc 60
gcagccattg aatcagtctc aatccaaagc tcctttaaat taagctccca cgcattgctc 120
aaagcagtaa tgagccccc aatctctact atcataagag aacaacaacc caatttcctg 180
gtaaactcgt ttatccaatg gccattacca tcacgcatca ctccaccaca gctagccttc 240
tcgccaacat ctataacaga agcatcaaca ttgtacttaa aatagcccac tgaggcaacc 300
aaacaaaaag cctatccgca gaacaagggt gcccatg 337
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<210> 33231
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 33231

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 tctgtaacaa gaaaaaacca tcacaatggt cagaaattat taagatgcta atcacggccc 120
 taactaaaag aaaaatctaa tcattcagat gagaaaaggg tgaatagtta aacatagaag 180
 aatcgtatat cgtgcattag tatacacatt gttagctgaa ttatacattt cctaaggggac 240
 tatgtgatat agacc 255

<210> 33232
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33232

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 cggcagggca gttaattgct acacgagccg aacacggggg ggtacgaacn naaaacaaac 120
 accggacacg gagagccaac caccagagg gagcgccgc agagaggaga agacagggcc 180
 ggacgagaac cgcaacacgc aagaaaagcg gcaaaacaca cgaaacaggg cggccacacg 240
 agacgcagac gggaaaaaag cgcagacccg gcgagaaaaa ggggaaagac gcgaacagaa 300
 gcagggcagg cggagacacg aaggaaggaa caagcgcaac gaccggcgac gagggacgca 360
 agtgggaaag acaagan 377

<210> 33233
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33233

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 cggccangga ncagnaggga taaattgtcc aaacanctaa gtcanattat gaggaaaatg 120

ctaagacagg caggtgcggg catgtgtaaa aagtcggata tgacatgatg cttttanatg 180
tagaaatagt tcaattatgt ccaaaaccga aagatgagtc ttttaagcatt gatgcctagt 240
ctgaataatt caacattgta tcaggactga ttttactaa taacttaccg cttgtaacgg 300
aatatatgta ggtgttgatt attctaacac acatgtgaac attagtgtac aaatggattg 360
tgactacgaa gagtagacag agcttctttg cctgtgaatt aaaagtgcac tcccaccaag 420
cgtaaacgga ggccttgaac aataccttct gtgatacaac cgactctaaa gtcatacac 479

<210> 33234
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33234

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tgcggtgnat tgaactgcaa gcatgcgaag cgcgattttc tttcttacct tccttagcct 120
cggagagcga gggcgacaac catcagtgtgta cccatctcca cttttggatg ctcagtgtac 180
gtaacagagt gccggcgacc atccttgaga aagagcttaa ggactacacg aacctatcaa 240
cgaatcctga gggttcataat gatgtgtatg ttgagcgaaa acaccagcta gcgcctatg 300
gtectacct tgccttcctc ccaagaccac tgtatataga cgcatcacct aactaacac 360
catcgatatc accgaactct ccaagaccat gatcaggacg ggtagcact atgtggaaag 420
tgatgtgtag tcgtaaggtc atgggtcatgc taccatgagt caaaaaagtg ctcgcttgta 480
tgatcattac tattggataa gggg 504

<210> 33235
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33235

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gtcatcatt tgtaccccaa attgcaaaag gaaccattc tctgagtcgt gaagcacacc 120
tctacgttgt ggggcttcaa atctcaggaa tgggtggaat gcttctacat gaatctcgtg 180

ggacttgga tatagggaga tatgacgct agtgctacta cgtttatgcc tta 233

<210> 33236
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33236

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 aactttcttt acctgttgac acacgggggg ggtgggttta taaccaccca cccaccatg 120
 aagatgccag gtggacggct cgcttccac gacgctgagt gtggaacaga cctagtagag 180
 cgaagcgtag ctacaagggtg ggggacaaga ccaaaggaag gaaccactcg tggtagcgg 240
 tgggacgccg tcgcggggta agaggaatga gtggatcgct ggaaggacgg aactcctaac 300
 taggcaccgg gcgcgtgtac ggacc 325

<210> 33237
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33237

agcagagaga cgagcgnttt gttgcattct ttganacctt gnanaactcg gcnaganccc 60
 cgggatcctn agagacgacc tgcaggggtgc aagtttgttt tcaacttttc taacagnnnn 120
 gagccagaaa atagtgccgt aaattactca tcaacacaac ttggggacca atgataccca 180
 ctattggcgt aatgcttgac atacgatgac attgggcctg gtgcatttga tggtagccga 240
 gcatcttctg aaagcccgat tttgacatcc ttgaagaact tatatgaaac atacgaccac 300
 ttgaaaaatg ttgctgaatg tagccatagg ttgatcatca caggtcttat tggttgtaaa 360
 gactaataaa ctttgatgtg cttgaaatgg atgggaggaa gctatattta taaggtaaaa 420
 gatactttta cgtctaaatg tgaactggcc ggtcttgata tgtttaatgg agaagtaata 480
 tgtaggctaa tatctaagtc g 501

<210> 33238
 <211> 256

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33238

aaagtatcag atactctagc acatcagtgt catcncgtgt tattagacca atcaaacct 60
gcggtgaatc tgcctgaatg agacactctg acagacaaac atttccatat agacttacca 120
tagcctcaag gacacgctct tgaattagtt cgttgcctg aggctataaa agagtacga 180
aaatatacctt tatccgagtt gcatcagaat gttcctcatc ggcatcgact atttctcta 240
agaccgtgag tgcata 256

<210> 33239
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33239

actttgattg cttattcaat ggagcngaca agaataggtt cagactgatc aacacatgta 60
cagtggccaa ggatgcttgn gagatcctaa aatcactca tgaaggaacc tccaaagtga 120
agatgtccag attgcaacta ttggccacaa aattcgaaaa tctgaagatg aaggaggaag 180
aatgcattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgg 240
gagagagaat gacagatgan aagctggtga aaaagatcct cagatccttg cccaagagat 300
ttgacatgaa agtcactgca atagaggagg cccaagacat ttgcaacatg agagtagatg 360
aactca 366

<210> 33240
<211> 251
<212> DNA
<213> Glycine max

<400> 33240

accgggtgtt ctgactgaat ggaaacccga ctaacacgcg cgccttggtc ttttaacccg 60
gcggtgtct tacttccatg actggggtgc aatgtggcag tgtaagacga tactaggcta 120
tctatcctaa tactaagtga tgtcttctga aatgtctcct gtgatgacaa gcaaattact 180
aagaaaaaga actctaata ctgttagcct tgggtgaaccc aagtttgctc gtaccgttac 240

atagaatggg c

251

<210> 33241
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33241

nccacacgtg aaaaaaacct gacgnacgac nncnnntng ataanaaccc cgcattggaga 60
cacatatact gcgatcgata gccaaatatt tttttatgag atgcacacaa cagccacctg 120
cttgacgag ggacaagact agggctctca aggacgggta taatgagaga gaagacccta 180
ctatgactac agttcctatg cacacaaagg taccatcctc ccatcaatgt acatactcag 240
cctatcacac aaattcctct gcccaccac cctgtattcc atagaggcca tacctgagtg 300
ctccacatgg tctgtctatc tctctaccga tagcataacc catctcttgc tctacctct 360
gcaccaggct taaaagaacc gtggctctct aatcgtggaa gattccccac acatccgagg 420
gactgtgctt gagtggctct cacttgact cggaattct catggatagc gttaaccctt 480
ggctgggttg cctggg 496

<210> 33242
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33242

agcttatgtt attgacctc attntcaact ctaagcttga ttttcacttc attcttttgc 60
tctattctca cttgtaattt caaacctta tttgaactc tttaacgttg gaaacttgaa 120
tctcaactcc ctcatcttc cttataaact tttataagcc tacaacatgt aaaggggggc 180
tcaaactctt gaaccatgtg cttgctgttg aacttacatg aacatgttgc ttccaaattt 240
ttgagcttgt tgtcatgtcc tgaatctatg tgctgagttg ctttccttaa gttttttatg 300
ccacaaatga gttctttgca tgttaaaaca taaagtttagc ctaaaatgtc acccaaatcg 360
gag 363

<210> 33243
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33243

gcttcacaat ctccccctttt tgtgatgaca accctttttt cttaaacaca tacacatact 60
ttttcctagt cgattattca cttaattctc catattctcc ccctttgttt ttgagtttaa 120
gcttcacttt aaattaagtt atttaattat atgagttctt gatttaatcc ctattttctc 180
tccccctttg gcatcaacaa aaagccaaag tgcataagaa atataaaaca tacataaatg 240
attataatat cactagacat atatcatcaa aataattaag tttaaaactc ataacaatta 300
agagtaagta aatataatca tgttcagtta tactaatcaa atattaaaag aaataactaag 360
tattcaaatg tcataanaat ataaatcatt tgggtaagtc actagcatct tgcagtccta 420
attctcttct aat 433

<210> 33244
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33244

ncgacctgcà agtttgctat cnnanatttg cgccaacaca ngaaggacgc ggacacggcg 60
nccccgaacaa ancacaagcc gacgaagaga gcnncagacn cggcngggga ggggggcanc 120
gcgaacccaa accccagggg gggcncaagg accaccacac acacgcccgc aaagaagaaa 180
ccaacaacac acccgcccc acgggaagaa caaacnacan acaacaacca ccacggggac 240
gcaagaccna gaggggaagac cgcgaggcac ngagcccgc cnggacccgc ggcacagaac 300
agagcccaaa caccaacaac gagaacgaca acgagagcaa acggaccgcg agancgagng 360
ccggcgaaca agacggaggg gaaggggann caaaccacga cccaaagaag acggaaggag 420
gggccg 426

<210> 33245
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33245

nccacgtctg tncacaggttc angacgntan gcannnacgn gatantatan aacacccang 60
ctncgatcac ctaaggtcaa gctgcatggt ggntgggtgct ttttttataa ctgcctacac 120
atacgggggg agatcgatct gacaatacaa ttggacacaa catatgctac attactactc 180
aacagatgca catagaccct acctatagat gcttactagg cctgacgcgg ataaatataa 240
acagagaggt cccttcatgc tacaagcaac gctggaatct gaggaggatg ggctatttct 300
tctaagaccg tgagaggatg accttcatgt gagattatct taccatacgt cgcactagga 360
cgacgagaac gaatacttgc tgatgtatat tctatccatg cagaggtgcc acatcctata 420
ttggatatat ctccagttca atgctcctgc tagacgggtc accataagct tgcatacgcg 480
aagtttagag agcaactata gctn 504

<210> 33246
<211> 401
<212> DNA
<213> Glycine max
<400> 33246

tttctttcta cattatagca aggttcgcat tgggtccatta tactttacgg ctaaaatggg 60
tatgtctctt tgcccataa taagcccag attatactga gtggacatga tgtacatctc 120
caatgtggcc ttctagtatg gataatcctc tctgtgaag catggtgacc tcatgacaca 180
tgctacctca acaacgaatt ggatgttggt gttatcttcc atcaggatct tttgctttag 240
acattgtctg gtgtataacc tttataggct cagctctgat accaaatgat aatggcaaat 300
atcaaaagac ggggtgggtg attgtgatat tataaaattt taaaaactta cttccttgaa 360
cataaacggt attgcatgat gataaagcac gttaaaacaa a 401

<210> 33247
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33247

agcttgaatt attttttgca attctcgagt agataatgca ctaccatctc tgcacagaat 60

caaatctata ggttaaaaat aaatggcact agaaccacaa gttcaactgg attttagtca 120
 aaataagtgc aaatggtggg aggcaacaac gtaacctggt aggagaagggt ttgggagggt 180
 atacaaatca tctgttgga tatgtaatta atcttagttt agtccaagtt cacatttaat 240
 cttagtgagg ttcaggtggg atcagtatcc tctcgtattc gngngtaaca tgtacaatat 300
 ataactaata taaagggaag tttgattntc tatttaaatt tctctctttt ccttacagag 360
 ttaatngtat actccgaatt tctatattat ttttgagcga gcattct 406

<210> 33248
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 33248

actaccgat ttgtatcttg gatgggtgat tgtgttctta catggagttc taagaagcaa 60
 ggcattgtga cactttctac ttgtgaagcc gagtatgtag ctgcaacttc ttgcacatgt 120
 catgccattt ggctaagaag attgtcggag gaacttcagt tgttgcataa ggaaagcaca 180
 aagatctatg ttgataatag atctgcacaa gagcttgcca agaatctggg gttccatgaa 240
 tgacagtagc atatagatac aagggtatcat ttcattagag agtgcattac acagaaagaa 300
 gtagaattga ctcatgtgaa aactcaagat caagttgcgg atattatcac caagcctctc 360
 aaatttgaag atttttgaa 379

<210> 33249
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33249

agctnttctt anataatggt ntccactctt anaaggggtg ggtgataaat aatattaata 60
 attaanagaa agagaataaaa atagaggaaa gagttaagat agcactaact tttgcattat 120
 tgggttgatg gttaagaaat aagataatga ggaaaagggt acgggttcga tcgcttttgc 180
 taacaagaaa tcaacaaact aaccattaac aaataaagaa agagaaccga agagtttgaa 240
 ttatgagaat gtaaaatttt gacacatgta acgttatcca agtatggtga tctcgtgata 300

ttntttcaatg aaggttggcg tatagaggct ntttttttgt tngcctatga ctctctattt 360
 ataaaaatcat atatgtgtnt aatagaggca gataaactcc ttaatttaca aaataatata 420
 at 422

<210> 33250
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33250

agctttgaat gatgcctaaa tagtgggtgtg tgggtgcggga gacgggttttt ttcctctgcc 60
 tgtannngng cgttaatgat tttgggtttt gacttgtgag agctgttggt ttgtgcctga 120
 tgagtcttga acttatggaa atgtggagat tgtgttgctg aatttatgac tgtatgttgt 180
 cttttgtggt gataggaatc aacaatatgg gcagcgttct tttcacaagt actggcagta 240
 aatgacgcga cggtaaagtt tgagatttgg gacacatcat gacaagagat gtagcatagc 300
 ttggctccga tgtattacag aggtgttact gctgctatca ttgtctatga catcactagc 360
 tcggtatgat atctttgcat ttggatattg ttgaatacct atttaaagt 409

<210> 33251
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33251

agctntgatt caattctaac gatnanntaa cttttactcg ggatgtcccg attgaagtcc 60
 cggatatatat ctgacacgcc tcgaaatttg aatgttgaaa gctctgagcc aatttcaaca 120
 acaataactt tttactcgga tgtccgattt agtgacgtaa tatatcgtga cgctcaaatt 180
 tgaatgttga acctctgagc caattcaaac gacaataact ttgtactcgg atgtctgatt 240
 gaatcccgta atatatcgag acgctcgaaa ttgaatgtgg aacctctgag ccaattcaaa 300
 cggcaataac tttttactcg gatgtctgat tgagtcccggt attatatcga gacgctcaca 360
 attgaatgtt tgagctctaa gccaatcat acgacaataa ctttctactc ggatgtctga 420

<210> 33252

<211> 258
<212> DNA
<213> Glycine max

<400> 33252

ctctgagctt caacattcaa tttcaagcgt ctcgatatat tacaagactc aatcagacat 60
ccgagtaaaa cgttattgcc gtttgaattg gctctgaggt tcaaaattca atttcgagcg 120
tcgcggtata ttacgggact caatcagaca tccgagtaag aagttattgt cgtttgaatt 180
ggctcatagc ttcaacattc aaattcgagc gtcccgatat attacggcac tgaatccgac 240
atccgagtaa aacgttat 258

<210> 33253
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33253

agcttaaagt atgttctagt cattcatccc tacgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttggatt ataggggtga accaagctca agcttttaca aaaaggttca 120
tcaagtcagg ttgaaatatg gaagtaacca tcttgcaaac ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgccaaa catatttagg attattgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat togcaatact tcgactgtac atcattegca tgcattccatg 360
cttttcattg gttgcattgc tcattgcatt ctttccttga aaaataaaaat anaataaaaat 420
g 421

<210> 33254
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33254

taaggcctgt nttcgtattc aaatcacatc attgtttcaa atgttggttct tttatcaagt 60
ccatgcaaaa acatctggat gcatttggtg tttgggaaag tccttcattg ttcttattct 120

caatgtttttt ttttaaaaaa tccttttgtt gtgttttgat ccaaaaaataa gtttaaaaaa 180
tatttggttgt tgattctttc caaacatgt tatgttcaag aaaaattttc tgtttgagtc 240
ccaaaaagag ttataatcta taactaaact aacaaaatat caaagcagac ataaactagt 300
caaaataaac tagccgtagt ttttcaaaca aaaaa 335

<210> 33255
<211> 98
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33255

taggcgtaat caacagacac gctaaaggct ccaattacta gccttataat aaatacagcc 60
cgaccctgac actcatttca gtacgtgttg taataccn 98

<210> 33256
<211> 421
<212> DNA
<213> Glycine max
<400> 33256

tttcgagcgt ctcgatgtat tacgagactc ttcttacatc cgagtaaaaa gttattgtcg 60
tttgaatttg gttagagctt caacattgaa tttcaagcgt cttgatatat tacggaactc 120
aatcagacat ccaagtaaaa agttattgtc gtttgaatta ggtctcagcg tcataattca 180
atttcgagcg tctcaataga ttacgggact gaatcagaca tccgagcaaa acattattgt 240
cgtttgaatt agctcagacc ttcagaattc aatttcgatc gtctcgatat attacgggtc 300
tcaatcagac atctgaggaa aaaagttatt gtcatttgaa tatgctgaga gtttcaacat 360
tcaattttga gcgtctcgat gtattacggg acttaatcag acatctgagt taaaagttat 420
t 421

<210> 33257
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33257

tgacttcaaa toccatgaat tttttgtggg gacgaggtgc tgaatggaaa aacatcgctt 120
 ggatggcttg cgatcatata tgtactccta gaaatcaagg atgtttgggt ctcaaagcta 180
 tcaatgatct taatacagcc cttcttatta aatggaagtg gctgatgtt 229

<210> 33263
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33263

agctttgatt atataatttc ttgattncta aaatacccat ttttctctcc ccctttggca 60
 acatcaaaaa ggccaaagtg cgtaaaatat gaataattta atcatacaca aagcataatt 120
 tgtaaaacaa acataaaaga ttctaaaaca tacataaagc aaaacatgaa taaaaccaa 180
 ttgtaatgca aaccacttag tcatatatca caaaccataa atatcatgtt cagtcatact 240
 aagcaaatat taaaagaaat actaagtgtt caaatgtcat aataatatag ccaaatacac 300
 gactagaaat caaaatacta ttaataatag taatgtctaa actgatgggtg gtgggtggagg 360
 taaatcaatg cagtcgcgaa tgatgggtgac atcttcttc 399

<210> 33264
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33264

tataagttgt gataagttaa tgaaattttg tggtttatca agaactggat atagtctcac 60
 tgatcaaaat gaaccattat aactttttat gtttgatctt tgtttatctc ctatctaatt 120
 ttaagtgaac tagaatttga atttgatttt gatattgaaa atctctttta ttttataaaa 180
 tagattttca ccatttgaat gtgttttttt gaagaacgtt tgtctatttc gttaatgttt 240
 tcatccaaat gataactnta tttgctttta aaaggcatta aaaaaaatt ctaaaatgac 300
 catntaacta tcttttgtga tattngcttt atactatata atatg 345

<210> 33265
 <211> 397

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33265

agcttgatgt ggaactngat ctangaagcc acatgtgaca gagataaata cttataactt 60
attcaagtta gtgaaacttg gcggtttgcc aagaatcgga tgtagggttat gtgggtaaga 120
tgaactggta taaacatcat gtgtcttata ctgattttct ctttaaacta acttaagggtg 180
tgaatttgat ctttgctttt gaaaaaaact gatccaataa cgctttgtta gatatgaaca 240
aatttgataa atattttataa ctctcagata gagtattaga acggaagact tcattagatg 300
atgaactatt gattctcagc catctctggc aatgaatgaa cagttcaaaa tgcttntctt 360
gcgtattctt gataaagcag tgtgtatata cagatgt 397

<210> 33266
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33266

tgtaatcgat tacacatata ctggaatcga ttattatttc atattttcan gaaatattct 60
caacagccac atctttatat gtggctcttg aatggctatc aaaggcctat atatatgtga 120
cttgaaacac gaatctgctc agagtgtttc agaacagata ggtcttatcc tcttataaag 180
cacaatcggt ttcttctctt acaaattcct tggccaaatt acttgtgatt caataaagaa 240
ttatttgagt gctcaaatgg ttcaatctat ctctttcaag agagatttct tgttctcttc 300
ttcttcattc tgaagagggg ttaagagacc gagggctctt tattgtgata ggattctaaa 360
cac 363

<210> 33267
<211> 405
<212> DNA
<213> Glycine max

<400> 33267

ggcttgcttt cttagtctag accaggaaga taaagtgatg tggacgactt ggagagattt 60
tatgtgtggtt attaatgatt cccttaccba ccccgcaata tcaagaagcc ttttcaaatt 120

ttagctcata tttatatacct ttggatccct ggtgggatag ctttgaaaat tatgatcata 180
 actaaatttg atatccctaa acaggtggaa aaaatgataa aaggagcgaa caaacaggaa 240
 aaaaaaaaaa aagatagaca cttcttaatg ttttagatta gattgcttta aatttgatc 300
 ggatgagaaa gtcttacatg aacatttcgc tcttactgtg agacccaaat catcattctt 360
 gccccttaat taggcttgaa tggaagattt gatctgatat atcat 405

<210> 33268
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33268

ntatcaccat tcccagacac ctttagtcga agctctcatg aatagagatt ggacttgaaa 60
 tcttcaagtg ttatggagtc cttgactaca ctaagacaac tcattaaatt atcataagag 120
 ggagggagag aggctaacaa aatcatcacc aaatcttcat cttccatctt gacaccacta 180
 tcgcgtagct ccatcagaac aaagtttagc tcatcaagat gtttcttttag tggcacacat 240
 tcccttattt ggaggccaaa caaacattat tccataagca acttggttga 290

<210> 33269
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33269

agcttttgtc ttgtattcta tattatatac aatgacaaca ganaatttaa taaatccgag 60
 ctacttgctt agagaaaagg tggtagagata ctttgccaaa aaaagagccc aacatcagca 120
 aattagagaa caattacaga agtggtcaag attaagcact tgtagaactc cacttctga 180
 tcttcatcgc cacagatcaa aatgctatgc actttgccta aaagagtttag acaaaagcag 240
 gaaaatacaa cagctattac actattttca ctaccttgac aaaaaagtt catatagtaa 300
 gcacttccgc agttccaaga aatttggtga ggttgaaacc ttcagaaatc acggtttaag 360
 tctgcaaatg aatatcanaa ccaagttgtc aagaatatga tcctacttag aattggg 417

<210> 33270
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33270

tcaagtangg tgccctcctta nnnacctcca ttaattnttt gctttacccc ttctcttcca 60
ttgttggttc ttcatttttc tccatgtatc tcctcacatg tcttgatgata aatgttttta 120
acatgattct ttaaagtttc caccgattaa acttgctata gaagctagat ttgattttct 180
atgggtcaaa tttcttggtc ttgaaccatg aattgtgttg agtttagctt cctttgagtt 240
ttgtcttggt atttttttgt ggctgaaacc tagaccatta aattcttaca aaaatattaa 300
agtataataa aacctcaaaa atctagagtg acttgttcac ctattgtaag ttgtcatag 360
aagtcatgtc tagtcatgaa acttgtcaca 390

<210> 33271
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33271

agcttgattt anatcttgat gctttgggtc tcctaataac tcagcttgcc atgaatcana 60
agtctacacc tgctgcaaga gtctgtgggc tatgttcttc tgcagatcac catatagatc 120
tctgtccttc tttgcaacaa tctggagtta atgagcaacc tgaagctttt actgcaaaca 180
tttataatag acctcctcag cagcaaaacc aacaacagca gaataattat gaactctcaa 240
gcaatagata caatccaggt tggaggaatc acccaaactt gatatggaca agtnctccac 300
aacaacaaca gcttggtcct cctttctaga atgctgctgg tccaagcaag ccatatgttc 360
ctcctccaat ancatagcag cagtcacaac aaagacatca agcaacta 408

<210> 33272
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33272

gacctaccac cacatcaaaa cacgtctttt ggtggggann nagccggaca gagcgggtcat 60
tattaacacc accaccacct ctttcctagg gaccaacacc agcaacaaca agtgggtgaaa 120
agcttccatg caagcaacaa ctacgatgca agcctcttgg caatgaacct atctgccagc 180
ttacggcaac tcaatcaact acaacatcag aatgccaccc gcggggggcga cgaccgcaac 240
cgctcctatg gtttcatggg ggagacacat ccaagccaaa cgaactaacc aacttaacta 300
acac 304

<210> 33273
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33273

agcccgaata tgcttgtact gttatnagcg ngggaagtaa ttcttgttag tgatttttct 60
gctacatagt cactttttta tctcatggct gttgcattct tttaaccttag caaaagacca 120
gccatatgaa ggtagttggt ttcttattgc tgtcaaagca gactaacaat atggagtgtc 180
gatttctgct tgtagtttgg aaggattgga aagcatctac attttcttct tataacaatgt 240
tataaatcct agacaaagcc tgattganat tgcaatgcat tctgctgcta attggtttct 300
agatgtcata aaaatgtggg taaaagccaa aggaatcaat gtatttagagc attattgaat 360
tgtagtcgat gtgtctcatg atatngaaa tgtttgaact tatatgtgcc attgtgt 417

<210> 33274
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33274

gcattagcaa gctagagttt gggtactatg cgaggaaatg cactagagcc tagctgtgcg 60
ccgctaagtg agcnntgact aaatctttta cttatttttc aagatttttg catcaagttt 120
ttctccaaag cacgttgaaa tcttcttctt ttaacttttg ctaatcaaaa actacaaaga 180
tattaatttc ttattatttt cattaaaaac accggtgaag taaaaaaatt gcaatcattc 240
ttagccaata ttgactatca aattaactca gattttgcag gtatcacaag gtatgttatg 300

tgtggcttca ttgagcataa ttactttacat cttttgtttg ttttaagagtt acaacatgct 360
 ttntttcata tatcattatt agagaggtgg tcttcaagat gggctatcat gaaagaacca 420
 aagaacattt tcaaag 436

<210> 33275
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33275

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 ttttaactga acaatagttg tgtggggggc aaccactaca aaaaaaatac tttcaacatt 120
 gttattttta catcggtttt tgataaaatc gatgttaaca aatgagcggg gacatttttg 180
 taaataaaact gattttgtta aaaaaaaccc aatgttaacg tgacaatatt aacatccggt 240
 attaaaaaac cgatgttaac gtaacaatgt taacatcgag ttttgaaaaa tcaatgttaa 300
 catcgatcatg ttaacatcga ttttacaaaa atcgatgttg aattttaatg ttgtgtttt 359

<210> 33276
 <211> 186
 <212> DNA
 <213> Glycine max
 <400> 33276

cacactatat gaactaaacg tagaccagct gatgcaccct atttgatata taacataagt 60
 cataactactc ttattatgta ttgtacaact atacacatag cataatatga aataaagctt 120
 aaaccattct agtacagtca ttttgaatct catcattaat atcaaacatc tatgtgtgcc 180
 acttag 186

<210> 33277
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33277

nccctagtgn aaaggggatt ccacngacn atcngannaa tangnnanca nncnccgcan 60

gncacacccat gtttactata catacgactt ttgttgctat ctatccgcac gaaaagaagg 120
 gggggtgtta tgtgttgtaa tgcaccccc accccaaaaa caatgtagca aaaagtaatg 180
 cttaagccaa tccaagcaag acattttgaa tctcatcatt actatcatgc atctcaaaga 240
 aaatgaaaat catgcatcga tgtgcatagc tcaacagtgc attacaagaa aacgtgcctt 300
 ctaagccgac caagggaaaa atgtatgtat atgtgtgaac attgttcaaa atataacaca 360
 tatatataaa gatggcggag caatctagac agatgcacaa cacattccat aaatatattc 420
 tgaggatgat gtgtaaggaa atataataaa gcatgggagg aaaagctgac gggcactaga 480
 atacgaaggt gtatgacaaa tgacacat 508

<210> 33278
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33278

catttgnntt ggtggttcgt tggcaaatga tggttgagat ggtggttggg gtgattgata 60
 acggcggatg taaggacta caacttcgat ctagttttt tccgtataaa acttacaat 120
 taataatccg taaattatat aaaacttatg gattatcaat cgtcaatta tatataacct 180
 acggattatc aatctgttaa aagacaatcc atatgaatta tgcgaatttt cagtaatccg 240
 tatagtccat acggattctc aatccgtata aaccagtgtc taatgctaaa gaagaagagg 300
 gacttacgac ggagacgatg gcgaagtcgg tgtcaacggc aagggcactc actggcagca 360
 caatgcggac tgatgcatga aagggtgac 388

<210> 33279
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33279

taaccaattc tcattgcaat cctcattata tntatgattc ttttcggtag ttnttctggt 60
 aactggtag tatagctcta caagtaagga tatacagttt gaagtaggtg tagatatggt 120
 ttcttctact cctctctttt tatctttttt tatgtgtgcg tgcgtgagtg tgtggcatga 180

gatcctctca tatgttgtca cttatcatta tagagaacgg ctgctctaga aagatcaatt 240
 agggagaaaag tcggatggca gaaattcata aaaagaggag tgcacacact aaggaagcta 300
 cagtaccagg tttttctttt agccgaagtt tgtaattgcc ttgcaacatt gtattatgag 360
 actcgatggg cttgattcta cttcagttgt gttatgttga tcttggaatt gcagtgagga 420
 gatggaacaa ctca 434

<210> 33280
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 33280

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 tcaactgcatg aggggtgcaag ccaagcactc gtcaggcacc agtaacaggc aaagagttga 120
 gggctatgaa acagacagga tctagtaagc gacagtgccg cacacactgt atatattaat 180
 gatacactcg aggcgtcacg cataaacaaa gcctaggatt acatgtaagc tgtctgctca 240
 atagaacaat cattgtaggc ggaatcttat ccaactgtta tcagataacc gctatcgttc 300
 agaacgatcg agtccgtaca tgtaagaatg ctggtcgggc cgaaaaatca catgttgaac 360
 ttcttcgtag acacttcata ctatctaagc gagctcctta acataattta gagtcgtatg 420
 acgg 424

<210> 33281
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 33281

gactggaatc gataccaaac atggaatcga ttacactttt taaattaatt ggaacgtgta 60
 attcatttga aacttttcaa acatttgcta ctggaatcga tacacaattg gtatcattac 120
 agaagtaaac tcttggaac atgtttgaaa aaatgtgcta tcattttgaa aaactttcat 180
 acttatttga ttgaccttct cttgatcttg atctgaactt gatctgatct gattttgaat 240
 ctgaccttga tcttgatctg aatctgaacc tgatttgact ctaacttc 288

<210> 33282

<211> 192
 <212> DNA
 <213> Glycine max

<400> 33282

acgtaaactct gatagtgcga acattctctc ttttgttccc tatcaccttg ctgcacaatt 60
 ctatgtgtat gacaattctg cgccgctgca tctactactg ctgttcctga tgggtcttca 120
 tcacttacat aacaaactgg tatcaagagc tcaagtcgcg atcaaaggaa ttcaagattc 180
 tcgtctgaat ac 192

<210> 33283
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33283

agctttgctt atntggtctt cgccagtgaa aggatcaatg tgggtccgaa aagaggcaaa 60
 tttgatcatc ctactaggac gactgagaaa actggggcaa ataaaaaggg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaccacaaca 180
 tgtccttact cagccaataa caaacctcct ccttacgcac caccagttta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct atcgcacttc caatgacgaa catcaccttt 300
 agcaciaaac aagagcacca accaagaaat gaattttgca acgagaaaac ctatagaatt 360
 caccacagtt ccagtgtcct atgctgactt gctcccatat ctacttgata attcaatggg 420

<210> 33284
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33284

gagtcaacaa gttcaagatc aagtttaatt tcaagtttca tgagaagaaa tcaagaagat 60
 tcaagagaag atggaattca gattcaagag aaagaaatca agaagacttc acaaggggaag 120
 tattgaaaag atttttcaaa aaacaaacat agcatagttt tggttttcaa aagaattttt 180
 ctcagaattn tctaagttac tagaagtttt actctctggg atcgatacca gttcctaaat 240

cgattactgt gcaagttgtt tcaagtttca ctgattgcat gttcatgatt c 291

<210> 33285
<211> 325
<212> DNA
<213> Glycine max

<400> 33285

ttgcttcttg ctttcatagg gtatcttgat ctcttttgg tgctctaaaa tgtgggaatg 60
tgctcaaata tgtggggcaa ttttggtttg ttttcttgct tgattgggtt ggattggggg 120
gtttgtatgg gatggcccta tgcctatgat gcattttgaa gcaatgggac atgccacatt 180
gtccccgttc tcttgctagt gatacctaaa cgcgcgccca ccaagtgttc ggtgaaatgc 240
ctcaatggca ttagcgctg acttttgtaa ggaaacaacc catggaggca tttggtttca 300
catattctct atattttggg acatg 325

<210> 33286
<211> 293
<212> DNA
<213> Glycine max

<400> 33286

ccaagctagc taccacccca ctaaaaaag ctcatcctt gattgacttc atgataatgc 60
aaaaaagaag tccctactac aaagactacc caaatgccc tcaaatacaa ggctaaaacc 120
ctatactaca agaatggcca aaatacaatg cccaaaagaa ggaaagacct attctaatat 180
ttacatagat aagcgggctc atacttaacc caagctcgct acctaatttc gagcattctc 240
accattggca atttcaaaat catgtctgag cttaaagaaa tacccttcgc att 293

<210> 33287
<211> 410
<212> DNA
<213> Glycine max

<400> 33287

tttcttaatg tctcatgatt gtcacgtctt gatgcaacaa tgggtagtca tggccatacg 60
agacattttg cctaacaaag tcaagcttgc cataactcga ctgtgctttt tcttcaatgc 120
catatgtagc aaagactttg atcttgtaa gttagatgag ctggacaacg aggccactat 180

tatattgtgt cagttgaaga tgtagttttc acctgctttc ttcaacctca tgggtcactt 240
aattgttcat ctggtaagag aaatcaaatg ttatggggcca attcatttgc attggatgta 300
cccggttgag cgatacatga agatcttaac aggggtataacc atgaatctac accattcata 360
agcatctatt gtggaaaggt acatcgcaaa agaagtcatt gaattatggt 410

<210> 33288
<211> 406
<212> DNA
<213> Glycine max

<400> 33288
tagcctagat caaatcgggt tcccttcttt ggtatgtttt gtttgaaata tccctatggg 60
agagatgccg gaattcaaata tatcaacaac ttcttcatta agtgtctacc tatttttgcta 120
tttcctaaat taccctcact tatgccttta aacctaaatc tattttttgac acagaacgca 180
ctcattctcc gcttatattc atttgatca tatcagcacg cacactgtcc atttcattac 240
atttccaagc tcaaagtgtg gagagaagaa gaaaaggaag aatgggtgagt taaaaaccct 300
atatctagtt ttcatctcca cttgatttat actctttcat tatcatttta acacctaaag 360
tgactctgta ttggctgttt gaacttacat gttcccatc cctcat 406

<210> 33289
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33289

tatcttatta tatgacataa gangcattgg ttgtagtgaa aagtatttat ctattaaaat 60
aatcacgttt atgtgatttc aatgtataat gacgacaatg gagattaagt ttaagtccta 120
ttgcatctaa tgtgaccctg atcgattcta tattgtctac ctatctaag agtagttatt 180
attaaaaaga aatggctttt attgcactct tctatcctta tatgctgatt attttcagtg 240
aataaattac tattgtccga cttttaaaat ctaagaatgg ttatcatcat ctttcttata 300
cacagtgcga taatgaatct catgatgtgc cttcatcatt gagtccataa ttacagctat 360

<210> 33290
<211> 487

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33290

aacaccacgt gtnnggggaag tagancgcng caacnnacgn ganannatan aatactcaag 60
cttcaggctg ctcaattgct tagattgagc acattttgtt tatgggtctat gcggnggacc 120
acagaggagc atgaaccaca gagtctggcg acagggtgtag attttttgatt catggccagg 180
tgggttacca ggttcaccaa ggcattctact tgaccttcaa tagtcttact ctgagctgat 240
gaagatgaat tcttggctac ttcattgcact cctttaatga caatagcctc attattcgca 300
ctaaatcgct gagagtctga agccatcttc tcaattcaat atttggctat tacctgcggc 360
atgtctccta aggcgtctac atagcgtgaa cgatcatact cctctacacg aactgagccc 420
atatataata tcgtaaaaag tgctcaatat ttgcggggcg cactgcgcta tttttaaact 480
tccagtt 487

<210> 33291
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33291

gccatgccaa gcccttatga tttntttctc acnnccatca tagattaatc tctttcttgg 60
aacagacnnt ctgatacttt cattctnntg ttcanaggct tatgaagaaa gttttccag 120
aaaaaatttt agggaaanaga atgngannaa atataaccac annngcttgt agttgaaagt 180
accactttcc tgttaataag aaattcnnc atttgtgcat tcagaaaaat cttgcttcga 240
acttcgaaga ttnntagttg ctgggtgact tgggtgtgaaa tggttcanng ctaccgatta 300
agcattgtca ttgttgccaa gaacctggct canaaatttt tgctcttggg atgcanaagg 360
gttngctatt gccaaataca agacaaggga tgaagaagaa gtgagctcaa tgtcttcaaa 420
tgtaaaactgt ctttgtctct caggctgcaa tctatcagat gaatat 466

<210> 33292
<211> 389
<212> DNA
<213> Glycine max

tattgggtatc acatcattcc tttgcctatt atactagcta gcttgattcc ttccatattt 180
 tgtaagtntt ttttataatt tttggttttg tttttggagc agtgaccatt gtgctacttc 240
 atttactgac ctttatcgaa gctgccccaa gtgttccatt gaaatctgcc ttaactgttg 300
 caaagaaata cgcaatggaa gtatatcacc ccggtctgaa ctgaagtttc aatatgtgaa 360
 tagaggctat gattatatgc atgggtggtga tcctttacca gtgtcttgtg at 412

<210> 33295
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33295

agcttcctct acatttatgt aaaacaaaat tcaaacagca caaactatca cagccaagaa 60
 aacagggcaa aggcagaaaa ctctgcccac aacaccaacc aaaatcacag cttttccac 120
 ttaaagaccc cagtaacatt tccttcgttt caatttgta accggtggat caactcgaan 180
 attttactgg aagtctctag tacataagcc tacattttga ccggtgggat ctgctagaaa 240
 acatccagaa ctattctgc actactcttt ccacaaccag caaaacatag tatttttctg 300
 cacttatgca aaattctgct gcacaatntc acagcaaat tctgcataaa gtgcagattt 360
 cgaaaaccac acttcccctc atccaatctt gcccaaatca aatcctacaa gtcccaaadc 420
 atg 423

<210> 33296
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33296

tttgattttt ggcttggtat tttttggggc tgaaaccta accataaaat tcttacaaaa 60
 atattaaagt agaagaaaac ctcaaaaatc tagagtgact tggtcacgta ttgtagtttt 120
 gtcataaaaa tcatgtctag tcatgaaact tggtcacataa gatttcttat gttgngctga 180
 attttatttt cttgtttctt tgtctaactc atnngttcat gagtgtatga aattattttt 240
 gcctattatt ttgattgagt caaatctttc atgttaatta gtgcttaaca tgttcatgca 300

aaattcttag agagtctttg a

321

<210> 33297
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33297

cccaganaga ggggnnacct agngtctttg ctagtnntcc tagnannnac nnnnnnannn 60
nnggnanaga nccncgagag tctatgnata ggagnngnan gntttgattt ataaatttga 120
ttgggannga aaaggagcca gaagaggggc gcgctgtgaa aacagaacaa aaagccaaaa 180
cgcgagacat aagaagagaa caatcacacg cccagcatta ttggtttaac aaacatgaaa 240
gatgctcaga cccacatata tcaatacatg gataaaacca agattgcatg cgaaccaact 300
taacctgtat cacaaaccat tatattcatg atcagtgtta ctcgacaaat gttcaaagca 360
atactaaggg ggccaatgtc ataactatat agaccaagat acgactatta atccgaatac 420
tataattaat aaaatatcta aactgatggg tgtgggggag agaatacaga catctcgatg 480
aaggtgaatc ttataatcac ttgtatactt gn 512

<210> 33298
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33298

agcttgtttg tggagcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc caccatggag atgcagcgga atacaaagga gaagaggtaa gaggcggcgc 120
catccattaa agaataagca tggaagaagg agcttcacca ccaagatgaa ccttggataa 180
gaagcttgga gaggatgctt caatggagga aaagaaagag agagataaag agagaggggg 240
gagcacgaaa ttgaaggaag aaaaaggagga agaagttaaa ctctgagttg tgtctcacia 300
gactctcatt catcanagtt acaaaaagtg ttacacatgc ttctatttat aact 355

<210> 33299
<211> 364
<212> DNA

<213> Glycine max

<400> 33299

tatcagatat cttgggggaa gtcctttttt tggtatttcc ctagtgggatg ggcctctct 60
cacctctttc tttgtcttcc gtcgcatctc catgggaaaa ccaccattaa ggcctattga 120
agctaaagat ccacctccat agaagcccca cagcagcttc atcactaccc ttatggatac 180
cacctattac acgccaccac ctgcatgatg acacgggtca tgtcccttcc ccgtcttgaa 240
gggacctctt gatgcggaca gtcatgggac atagaagatg ccagagact cattctaccc 300
cgccccatca gggcacccca acatatgcta cccaactcca ctaccatata ttgcataaag 360
accc 364

<210> 33300

<211> 381

<212> DNA

<213> Glycine max

<400> 33300

agctttatct ttacatttct ctaaccatcc caatccattc gaatcatata attgctactt 60
caaatcattc tcaaacactc atttcataca gagcaatata ctgcatatca ttttcaatca 120
attcactgtt caaacacgcc ttttgtaaca ccttgatata tataactata tattaataat 180
tatgtttgat gtttgattgt atttgttgag ttatttatcc gtaattatct caaggaagct 240
aattttattta atataaaggc gtgggtagat aaagatctat cttctcacia aagcctcttg 300
agacagcttc tgaaagatgc cagggcgaaa cttgttgagg aaacctctta atgaagctta 360
ttgatgaagc tacatgaagc t 381

<210> 33301

<211> 246

<212> DNA

<213> Glycine max

<400> 33301

tataacactg cagaataacc atataatgga agagttagac ccaatttata caaggatat 60
actcaaaagt tagtcgtatt taccgactaa cagtatgttt aatagaagat gaatgctagt 120
tactcaatga gtgggacaca ataagcttga atacaatgaa actcgctgac ttagcaaagc 180

taagattcat tcaatttgct caagtttcct tcgtctagtg gactgacagc ggtgcaacac 240
 ttattc 246

<210> 33302
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33302

ngcctgtaca aatgcccgca tgacnncant tnagcaagna cgggcgagcg ataagtcgag 60
 ctgacgcatg cagccacacc tttgtttnta atattaaccc ctaacgcggg agggcatcaa 120
 atcacacagc cagaccaccg gatctgacat ggàgtacaca aaggccccga gtaatgaacc 180
 gaccacagag cacacagcaa tactctgcc aacctaccc agcgagagcg ctggcagaga 240
 gtggacattc ctagcaatac atgcaccaga attggaacag cgccatagtg ctagacatcc 300
 actgactata caaagccgcc cacgtgacac ttgaaattcg catacaggtg caagcaaaac 360
 ccaggcacg aaacaccac gttgatcaga atacaacacc gcaagagggtg cgatgctgcg 420
 tgtgcgagac ccaccagag cgggaggacg agg 453

<210> 33303
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 33303

agcttttttt tagtcatggt tgaaaaccat gcaggggtta tgtttgaatt tagcttcagc 60
 taagacctca ttagctatca ttacaccatg gaggatatgt ctgcctttga ggaaagcaat 120
 ttgcctttca tcaattaagc gaggcagcac aagagccagc ctattagcca ggactttgga 180
 cattattttg tagacacacc ctatgagaga gatgggtcta taatcattaa gagattgggg 240
 gctattgggt ctggggatga gggctatgaa cgatgcatta cttcctttgg ggaatctgcc 300
 attaatgaag aattcatcaa agaatatgat aaaagc 336

<210> 33304
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 33304

tcataaagcc cccactgctc atcttttttt tgtcttgtag tacagataac aaggctctgct 60
gcattccacag aaagttcttc tgctcaatc cttctcgta tcttataagt tgaattgata 120
tcctctattg attggcgctc ctgcttgaca aagtgttcaa gcttggttct tccaagtga 180
tgacctgtaa gcaccattgg tacatttaaa gcacctggaa gaataacagc agtatc 236

<210> 33305

<211> 412

<212> DNA

<213> Glycine max

<400> 33305

tttgcaatct tatgttgcaa atatttacia tagacctct caacctcagc agcaaatca 60
accatagcag aacaattatg acctctccag caacagatat aacctggat ggaggatca 120
ccctaacctc agatgggtcca gccctcagca agagaccaga gcctccattc agagcttaac 180
caatcagatg ggacaattgg ctaccaatt gaatcaacaa cagtccaaa attctgacaa 240
gctgccttct caagctgtcc aaaatcccaa aaatgtcagt gccatttcat tgaggctggg 300
aaagcaatgt caaggacctc aacctgtagc accttctca tctacaaatg aacctgcaa 360
acttcactct attccagaag aagggtgatga caaaaattta cctaacaatt tc 412

<210> 33306

<211> 328

<212> DNA

<213> Glycine max

<400> 33306

gcttatcctt atggcaactc ccgccttatg acgactatct ctctggtctg acgatgagga 60
aggagatacc catctctgtc cctgtctcca cctcatagat ctgtcccccac atgaactacc 120
ccaaccgaac atagtccgcc atatcccgac ctcacccaca cccgtaaaag aatctgttcc 180
cttcgcggaa gataagggaa agattgaggg gctcgaagag aggttaagag cagtcgaggg 240
ccttggaat taccattct cgtatttagc ggatttatgt ctctgcccac atatcgatcat 300
tcctcccaag ttcaaagtac cagacatt 328

<210> 33307
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33307

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 cgatcatttg cgttgtaata tcgtttaata actgttaaaa caaaatctaa ccgatcattt 120
 acattgtaac ctcgggttaa ccaaaaaaag caaaataata ataaaataat caaaatatct 180
 ttgaataaaa taatcaaaaa aaatcaatct gacgtttttc tttggagggt tccttgaatg 240
 aattgactaa taaccaaagt gaaactaaga ctaaaatcaa ctacaaaatc aagctttgtc 300
 cataaaaatc acttataacc cgttttaagg tccaacgcct tatacgggtcc tctttgcttt 360
 tatcggttaa catggacagt tcataagcat aaaatcagca tgtaac 406

<210> 33308
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 33308

tttcttcaat ctgagagctc gggatatgtg gatcattgtg aaaccctct ccatacttca 60
 caagggatgc atgtgcttgg gaaggtagaa aatggaagtt ttgcattgga ggaaaggata 120
 gatttggtgg tctaccagcg ataagaaact gcttgtgtgc ttcttactg gaagtttgc 180
 ctccattacg gtccgtatta gaagattcag tottagatat ttgaactggt ggatgaatag 240
 tgtatccagg ataactgcga gtttgaaaca agccttgtca atagacactt tatagactaa 300
 ttcagaatat cattatttaa caaacttgat atgagagtag atacaaaatt ggtacttgcc 360
 aaatc 365

<210> 33309
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33309

tagaaaacta agcttggcag atctatgcca gaatgcaagg ggacatatat ttctcttact 60

tgaccatata taaatattga aaccaaagat tccttggagt aatgtgatgc caagaagaaa 240
 tccaagattc ctataagtat aacccatggg ttgaaaagaa gcaagtgatg cttactatta 300
 acttcgtctt ccagttcatg aggtccaagg ccattcacat tccctgctca taaggcgcgcat 360
 cgattatcat catatcata 379

<210> 33312
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33312

tgcctcanag aggtccagga aggataaagc ggccgaagga accagttccg ctcccagagta 60
 tgacagccac cgcttttagga gcgctgaaca ccagcagcgc ttcgaggcca tcaaggggtg 120
 gtcatttctc cgggagcgcac gcgtccagct caaggacgat gagtatgccg atttccagga 180
 ggagatagtt cgccggcggg gggcatcact ggttaccccc atggccaagt tcgaccata 240
 catagtcctc gtnttttatg ccaatgcttt gcctat 276

<210> 33313
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33313

agctntgtgg actagtgata ttaatatatn ttttagaaga gagacaaagc taggaaggaa 60
 acaaaccaag agagtgaaca taggtgcctg aaggaaaagt tgatggtttg aactttgaac 120
 taactaataa ctaaatagtg gatatgatat gtgataatga gagagacagt gagaaaaatg 180
 aaccatatcc atatctctga tgctgtgttt gatggagcaa aggacatgac tgacatatgc 240
 tggatcatggc ctacagggtc aggctagcat gcattacatc atgcacgtgc gtgttttagc 300
 attctaccat taacggccaa cggacgttcg caacgacgtc gttcttgcaa gagaaggat 360
 ttaactactt attgtacgta ggtaaaaata tctcaactct taatgccaga gtaaacccta 420
 ttagtc 426

<210> 33314

<211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33314

ctaataagta ggaatgtaag cttcatggag aatgagaagt ggagatggaa cgatgcanaa 60
 aatcagtaaa tggattatit gaatcaagaa gagttagttg atcatcctcc tggtcgagac 120
 actagattac ttgccgacat atattagagg tgcagtggtt ttgtgcttga accaacagga 180
 tatcatgaag cagaaaaaga tcctaaatgg aggggttacta tgcagaaaga gct 233

<210> 33315
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 33315

agcttgccctc tatatgtcca ggattacaag gcagccgaag gaactagttc cgctccggag 60
 tatgacactc accgctttat gagcgctgta caccagcagc gcttcgagggc catcaaggga 120
 tggtcgtttc tccgggagcg acgcgttcag ctcatggacg acgagtatac tgatcttcag 180
 gatgaaatat ggcgccggcg gtgggcatca ctgggttactc ccatggccaa gttttgatcc 240
 agatatagtc cttgagtttt atgccaatgc ttggccaaca gaggagggcg tgcgtgacat 300
 gagatcctgg gtaatgtggt agtggatccc gtttgatgcc gacgctatcg gccatctcct 360

<210> 33316
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 33316

tctagccaca tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
 cctttccttg gtttgaagct cactacaagc cttaagtga aaacatgat attaccatat 120
 ccttaaggaa ttttggagct ttggaattgt cttgggaata agtgtggggg gtttttgttt 180
 cattggacaa ctggttctgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
 acattgtata ttggttaaat gtggacatgc tgaatgacat gctgtttctc aaatgctaaa 300
 ggtaaaaaaa aaaaaattct gaaaagaaaa agaatagcaa taatgttgag tgaataatat 360

<210> 33319
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 33319

ttagtcttaa acctttctcg gatggatctc acgcaacgat ctatcgattc gttgattcaa 60
 agtcaatctc ataccatagg tgggccgaaa tcaaatcgtg gcaactccatg ttcgtctaac 120
 ggcgttttcgg ttacttcgat tgcgacagtt tctgcagttc gagacatttc tttgggtttt 180
 ccgcattttg atggcgatac accactcttg gagtggatct tcaaagaaga gaagttcttc 240
 aattatcata tcaactccaga tctcgatcga agtgataatt gctctattca ttttcaaag 300
 atgtgattcc ctggtttaac atgttgacgc ggatgcaagt tggagcacct gtgctgagtt 360
 acacgtgctc tggaaacaca t 381

<210> 33320
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 33320

cgcctcatag aggtccagga aggataaagc ggccgaatga accatttccg ctcccagta 60
 tgacagccac cgctttatga gcgctgaaca ccagcagcgc ttcgaggcca tcaatgggtg 120
 gtcattgttc cgggagcgc gcgtccatct cattgacgat gagtatgcct gattccaaga 180
 ggagatagtt cgccggcggg gggcattact ggttaccacc atggccaagt tcgaccata 240
 cataatcctc g 251

<210> 33321
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33321

tagctntaat atatctatgg taaggcgtgt tgtntgttac atttcatcag cagcaatgta 60
 ctttgtgtct tgacacaatc cacacacaca ccagcatttt ccaacatcca aaaacaaagt 120
 cctaggataa gttaagaact ccaatctctc gcactatctt gttttcacat tattattatt 180

aagtctcatt actcttgcta agattattct cttttttaca at

402

<210> 33324

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33324

tctaaggatt gcagcatcat tggtagatct acttatagtt acaaataatta tnacccaaaa 60

aaaagttgca ttcttttgac aggacaaagt ctacccaaaa gattattaag atactaaaag 120

gaagtacgtg aatcgttgta caacatgttt cattataaga gagtatacat tactcacagt 180

gtgtctttgt acttctgata gttactgat agactaacta ctgtagttag tagttagtct 240

gttatcacgt ggtagtatag ttagtgcttg ccagctatgt aatagttgtc aactaactta 300

ggttacatta gttggtagtt aatccaaata tataaacaat cttgaattct gattacagtg 360

gggttgaata atacagata tctcaatctc aatgtcttct cttctctcaa aatctcttca 420

actctattat tcat 434

<210> 33325

<211> 196

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33325

tatctctnta gctattcata tggtcataac gattcactcg gatgtctgat tcaagcgcat 60

aatatatcga gacgctcgat attgaacaat ggaagctctt gagcaaattcc aatggtcata 120

acttttaact cggaggtacg attcatgcgc ataatatatc gagacgttcg aaattgacaa 180

tggaactctt gaacaa 196

<210> 33326

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33326

tctgttatga atttcgagtg tctcgatata ctacgggaca caatctgaca tccgagtaaa 60
aagttattga catttgaatn tgctcatagc attcgttgtc aattacgagc gtctagatat 120
attaaaggat tcattcggac atccgagtaa aaagttatta tcttttttatt ttgctcagag 180
cttctggttt caatttcgag catctcgata tattacagga ctcaatcgga tatccgagtc 240
aaaagttatt gtcgttttga attgctacga gcttccgggt tcaattacga gcgtctcaat 300
atgctacggg acacaatccg acatccgagt aaaaagtatt gtcgtgtgaa ttact 355

<210> 33327
<211> 215
<212> DNA
<213> Glycine max

<400> 33327

tgcattctac tacggatttt cacttacgt tgggatgaca aaagcgccat cggaatcaaa 60
aaacgcaaaa atgatgacct tatggctgca gactcgtcaa tcccggtgggt atggatattg 120
aaaggaggga taagaatttt ttgaatgcaa acacgtacac cctttcgtga tacttataat 180
ttggtgcatg ggtggctcga ccagacgagc taacc 215

<210> 33328
<211> 381
<212> DNA
<213> Glycine max

<400> 33328

ctataaatac tcaagctggg tcaggtactt acccgatgaa gatcgaagaa ctattataga 60
tctattgata aacgtcgaat aacgggggaa atctttgca aattcctcac ggataacgtt 120
accgaaacgt ttcggaagcg cctcggctta gattttcttc acggaacaa ttttcttag 180
caaattctaa agagagagaa gtgcctatgg ggctgaacct cttccttctt gcattcctcc 240
actatttata gcataatatg ggaggagggt gtccgccagc tcgcccattg tagcagggtt 300
gcttctcca taagcaccg ccttttgagg aattatttgg atggccaag tgggcctggg 360
tgctatttgc actccacttt t 381

<210> 33329
<211> 374
<212> DNA

<213> Glycine max

<400> 33329

tgcattctttt tataacctga tcggctcgtct ttactggccg acgccgactg tcattttattt 60
cgatcaatat cgggtgaataa tatttctttt gccgaagagg gctaattgtt tcttggccga 120
ataaatcgga acatgccaat ttcgggcgaa acgaaacatc ggatgagctc gcacggataa 180
acctagccga cctacattgt gagtttttta tgctacaccg aagcaagaaa acttcccctg 240
ccgtaagata aaacattata gtgcagcgag cgtttttttt aaggaaaaat cgctcaatgt 300
ccgctgagaa atatcagctg gggccatttc acagcctatg tccgctattg agttttctat 360
tcaatcccctg aatg 374

<210> 33330

<211> 156

<212> DNA

<213> Glycine max

<400> 33330

ggagtatgac agtcaccgct gtaggagcgc tgtacaccat cagcgttctg aggccatcat 60
cggatggtcg tttctccggg agcgacgcgt ccagctcacg gacgacgagt atactgatct 120
acaggaggaa atagggcgcc ggcagagggc accact 156

<210> 33331

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33331

agcttgtctt tgtgttagat ctgatttata catganttan gacttgtatg atccaatcta 60
cgcaaaattg gatgacggta agagggattt cgaaatctgc ccaacttatg cagcaaagag 120
ctgtctaaat ttgtgcagca gataattgtg cttgtgcaga aaatgttgtg tattctttat 180
tatggacatt ttctaggcga tcccaacggt caaaatgtat acctatgtac tagggacctc 240
cagtaaaagt ttcgggtcga tccaacggtt aacgaagcgg aacaaagaaa atgttactgt 300
gtatttgagt agagaaagtc gtggtatttg aatgtgtttt ggcagagctc tttgcctctg 360
ccctgttttc ttgattctgg atagttcatg atggttgga 399

<210> 33332
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33332

ctaacttgag tcatacaatg attataaata tgtgaccatg gcacttattt caagagactg 60
 atttcctttt atgcataaca aatttcctttc attcaattct cttcatcttt ctaaaagttt 120
 ttgttcaata ctttctcttt caagaaaagt tccttgacca aaaacttggt ctattctttt 180
 tctttattcc ttctctcttg tcaaaagatt gaaaggacta accgcctgag aattcttttg 240
 tttcttcctt tctccctctt aacaaaagat ttcaaatgac taaccacttg aaatatcttt 300
 tgtttcttac aaaagatttc aaaggaataa ccatctgaga atatcttttt ccttttccct 360
 taaacaaaag atttcaaagg actaaccgct tgagatatct nttgtttccc catacaaaga 420
 ttcaagggtac taaccgccta agaattcttt 450

<210> 33333
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33333

agctntgtcc atattaatta cctaaaatac catttaaggt ccaatgcctt aanatggcct 60
 ttttgctttt attggttaaa cgtggacttt tgaaagccta aagccaacac ataactntgt 120
 cactactttc aagaaaacaa gagatcatta atagtccgat gccttaatgt tntctctcct 180
 ttcaaaagga tcaaaagatc gtttaaaggg tccaacgccg taaaacgacc ctnttttgta 240
 ttggtcacta tatcttacia aaaaggataa aaacaactta accaacgttt agttctcaaa 300
 gaactacgta ggtctgtgat cgaggtcgta cccgaatcan ataaacatta aaatgtagta 360
 actatggaag tgatcctagg tcgtttccca acgagaaatg gataaccaa tgttcataac 420
 agatagtagg aagtagtaac aaaatggggg gggggggg 457

<210> 33334
 <211> 270

atcttataaa tctatggagt tgtctttacg cagatcctgg atatcctgct aactatgaca 180
 atcctgagat gggatatgga ggaactacat gtcctcctga ttcttatagc atgcatcagg 240
 tatgtgacac tctcttacia gttttatatg tat 273

<210> 33337
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33337

agcttatcaa aatttgagaa tggacttcan aagtctttca aaagattaca aactacttca 60
 aggaaaacat gaaggaaaaa tagataattc tttagaaatt tccattcaat catgtgatga 120
 ctttgaaagt ctaaaattaa agacaacaaa gctttgtcct gaaaatgagg atatttgtaa 180
 ataaagatat agtatattgg aagaccttca gaagttgaaa aatcaactgg aaggcttaca 240
 aaatgagtat atcacactca ataaacttca tgattgccta natgaggaaa gatgtnatct 300
 attgaaagca tgttcccaag tccataagaa ttatgaaaac ttggaggcaa gtaaacadat 360
 gatgtagctc ccagtagagc ttgtaggcct cggatcttnt catcaatgga gtatt 415

<210> 33338
 <211> 459
 <212> DNA
 <213> Glycine max
 <400> 33338

gaaacctgaa ccatcattag caacatgaaa cctgctgagg taactagagc cctgttaacc 60
 cggtaacca accggccatg aataataatc tgccttggtc gcagactctg tgggttatgc 120
 ttcttttgcg acaacacaca aaacttttgc cttctatgca acaattttga acaattgaac 180
 agcctgagct tatgctgcaa acatcaacaa cagaacctct caacctcagc agcaaatca 240
 gccacaacaa aataattatg acctcttcaa gcacagggtac aatccccggg ggagggaatca 300
 cccaacgtag atggcgatct tcaaacgcac acacacaact tatttcaa atgtgtaccta 360
 agcgaccata cttctcacca tcgacaacag ccaaaacaca acagtgagct ctcacaactt 420
 cctgagaact ggagcaatga atgcaacatg cgtttacaa 459

<210> 33339
<211> 431
<212> DNA
<213> Glycine max

<400> 33339

agcttcttca gtatcatgaa ttctatttta cattctaata tttctcatca atatcaataa 60
aaataccggt gtgcctaagg aacaataata tggtaaactt aaatttggtta tagaggaaaa 120
ttagacaagt aaagaatagt caaacttgaa ttaaaatcta agagtggtaa atgagttgtc 180
aaggtaacct taattgtgta ctaatttcag tgaacacaga ttaacactct ttagtataag 240
ttgtcaaggt aaccttaatt gtgtaaagta gcgaaatgaa attgtattac aagaataata 300
ttttaagatc aaggactaga agtgataaca taatgatcaa ctattcatga tgggattaga 360
tataaacaaa taactactca tgatggaact tagaactcta tttttattta attagcttga 420
tttttatata t 431

<210> 33340
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33340

tcttactaca gaaatgtaat cggtattttct cttcatatac aaatatctta ggtgcacggt 60
aaactctacg ttcaatcaaa aggaaatnga agtatatcgt gcagtagcta attatatacc 120
tactaactca gcaaacatth cttttttcttt ttgtttttac cttccaaaaa ttgggttttg 180
tgatttggtt ttgatgtcaa ttcttataac tctcacttgc aggatgagaa acctgaagat 240
ccagtgaccg gccaatagga atcaacacaa atattaatgt gtgaatttca catccagcaa 300
gttactagaa tcttgaagag cgctgtctgt acgtatataa tacgtatgc 349

<210> 33341
<211> 412
<212> DNA
<213> Glycine max

<400> 33341

agcttcagaa ttcatthtcg cgcgtctcaa tagattacgg gactcaatca gacatccaat 60

caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
 gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgctc 300
 tcgatatatt acgggactca atcagacatc cgagtaataa gttattgtcg ttagaaatcc 360
 tcagagcttc ggattcaatt tcgagcgtct tgatatatta cgggactcaa tc 412

<210> 33342
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33342

tagcatttnt tgttcggtat tggcctaaaa agttgcaatg tagttcggct atgtttcttc 60
 gtgtgagctc aaccgaagtt gtatttcggc cgacaccggc attttgtcgg ccaggataac 120
 attagcccac ctcggaacaaa aaacatgatt caccgatatt gacagaaaaa aatgctagcc 180
 ttagtcggcc aggaaagatg accgatcgag gtctaaaaaa gaagcatgac cggattacgc 240
 cgatcgaaca tttcctatta gatatgatgt gaacctgagt aggagcggat canttgatac 300
 aggttacgga ggttntggat gaacgccact tcagtgaagg aagataagtc atggtag 357

<210> 33343
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33343

acaccacgg cagtaatcc acgcaacgca cgaagacggc acaaaacaca canaaacagn 60
 aaggtaaatt gagacctacg tagacacgct agacaatccc agaccggggg atactctata 120
 gagaccgct gcatgcancg cangccatct acantacaga cataccagca aaaggacaac 180
 ggcacagacg gagcatatat caacaccaaa caaaccaca gcaggataaa cgcccaaccc 240
 caccacaagt atgggcacaa cgaaagagac aagcatgcgg caaaaatcac cctacgcat 300
 acctagaaac ggatgctaac tacgatgcag caagaaagac acgagagaca cgccgcaggc 360

accagccgaa caaatgtcgg gacaaacact cacgaactaa ggaagacaca acccaaccac 420
ccacatgaac tctaaatact gaccaagcag agaatcaaca tgaactcgcc acataaagaa 480
aattcgact gagcgccagc gaacagagac caagcctgct caataagaat atgaaccaa 540
acacacggca gtacagacat tgacgagcac acacacacaa cggcggagag gacg 594

<210> 33344
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33344

tagcttctca catatagttt caacccgagg tcctctaaga gacttagtgt aaatattagc 60
caattgatca ttagaaccaa caaagtgagt cttgatttca ccagacaaca ccttntctct 120
tacaaagtga cagtctatct ctatgtgttt agtccgctca ttgaagactg aattagaagc 180
aacgtcaaga gcggcttggt tatcacanat aagcttagtg acttaagtgt ctccaaactg 240
taattgtagg agaagttgcc taagccatgt aattttgaat gcagcaactt ccatggcatg 300
gcatttagct tcgatgctgg gtctagcaac tatattttgc ttcttacttc tgcagagaa 360
caaatttccc ttcaagagtc agaggtagac ctctatctg atggtgatcc taccatca 420
gcatcagagt 430

<210> 33345
<211> 285
<212> DNA
<213> Glycine max
<400> 33345

tggaccgaat gggaatattg attgattcat agtcatcta ttggctatac tcagatcttt 60
ggcctggatt atggcgacac ctattccctg tagccaagat cacttctggt ctactatttc 120
atgctatggc tatcattacc attggcgcgt tcaccagttg gatatcaa atgtgttatt 180
gcatggtgag atgctactgt gcatcaa attgattgca cacattgcca ttctaccaat 240
cacgcacatt gagaacaaga atatggatat caactgttgg acaat 285

<210> 33346
<211> 423

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33346

tcttcttcgt ccgcttatcc ctcatgtaag actacacccg atttagacaa cccattagg 60
tttagactaa cttatactga gtttcgtccg cggatccctc atgtaagact agacttagtt 120
caagcaactt acgaaagttt agcctaatat agcctaagct tcatccatag atccctcatg 180
taagactatg cttaaaccac acaacatcat tgtaaaacca taattaaaac caaaacttaa 240
cccacagatc cctcatgtaa ggctaagttt caatgttgct tcaatcacgt tctaaggcaa 300
cagtacattt tccaatgtta aagtcaccta actgtgcaca caaatgggtg atcagaccan 360
gagcatacaa acattaagca ttgaatgaag cattgaacac aaaatacata atcaactaga 420
tat 423

<210> 33347
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33347

cgaaacaaga tggtgagagt gtntgacaga aatcacattc tcattttgaa gtcccctctt 60
ttcaaaaata gaacatttaa aattgagatt gatgtgatag aacagaagtg ttttaccact 120
acagtaaaca gtgaagagtg gttatggcat tacagatntg gccatttana ttttagagat 180
ctgattaagc taaactcaag agaaatgggtg ctgggnttgc ctcagatcaa gcctnctagt 240
gaagtatgtg atgggttattt acagagtaag caatcaagag gcactttcaa acaaaatgta 300
ccaatcaggg caaaagagaa acttganggt gattactctg atgggtgtgg ccctatgcan 360
actgaatctc tgggtggaaa tagatacttt catatcctta ttgatgaatt gac 413

<210> 33348
<211> 405
<212> DNA
<213> Glycine max

<400> 33348

gtgtatcgag taacaatgac gaaacgactg tgggtactgt ataatgcatt ggatgacact 60

cattatacaa tagggtatca aagataattg ggaccaggaa atataatacg ttattttaac 120
aagtaacagt aactacttag attctattct ttatgaacca aagtcactgt tatcctagtg 180
ctgtaaatat cagaaggatg caccacaact gcactgaagt cacttggaag acattcgagt 240
tcattgggct aattactttc tagagaaaga tagaaataaa acttaagctc tatttggcac 300
tttacaatg gatatacccc agaatagaca ccatgagttg ttcaatttat cgggagaatg 360
tgcaaaaaat aaatacataa tgtgaaaaaa cgaaatgaaa tatcg 405

<210> 33349
<211> 590
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33349

cgcgtactta cacattanaa tcacatacag cacgaactga tcacacgtac caagtgttga 60
atatanacaa aaaaagagag nnaaaatttg aaatttgaga gccctgcnta tancngacac 120
tatataagac tcaagctcaa gaagcactgt acggactcaa acaagcgcac agagcttgga 180
ttttaatgat tggcacatct ctgagtcaca cgggagtcag ataatgctca gatgaacatc 240
gcatataccc gaaggacaca acgtgtgaac ctaaaactgct tgtatggata tgaccaaca 300
acaacaggcg ttcgactcaa aggatatcga atgtataaat gcacagaaga cgctagaata 360
tgacatgaca taacttagta ggccagccta ctcccttgga tggaacatac aacaacattc 420
aagggaatga tgctcgacc actaatgcaa gaaactgata tattgagaag atgcatatcg 480
acaaaagcac tctcaaatac cccacacag ggaactaaaa ttggaacact gcaaacaaga 540
agaccgatgc cccaaggaga ccaacaatgg accttgaccc ctaggaatgc 590

<210> 33350
<211> 351
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33350

tatgctngct tgtgtggctt ctatagaggc tggatatntg agcttcaatg aggtccttta 60
attgtgagtt tccaccatgg agatgcagcg gaagacaaac gataagatgt gagatgagggc 120

gccatccact atggaataag ccatggcaga tggagcttca ccaccaagat gagccttgga 180
 taagaagctt ggagtggatg cttcaatgga ggaaaagaaa gacggagaga aagagagagg 240
 ggggagcaca aaattgaaag aggataaagg gagagaagtt gaaattgagt tgtgctcaca 300
 agactctcat tcattaaagg tacatcaagt gttacacatg cttctattat a 351

<210> 33351
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 33351

tgccaaaatt caagtagaag agagatatgt tgctcattct attactttgt aattgatctc 60
 aaaacattat aatcaattac actacatatg ttgaactcat tgctctcaag aaacttacag 120
 atgaatcaat tcgtttaaca ccttagaatc atattaataa tgcataaaaag aagacttaac 180
 ctagaacaat catcatgtta gtctataaca atcaatacaa ataccacatc tattaaactt 240
 gtttgacatt gtaaaattat taaacaaaaa ctaagacctt aagacatatc ttcatagttt 300
 tatgcttttg tccaacaata attcttcatt cgaaaatatg ttactactgt ttatattata 360
 aatgttaagc caaaatcatt aataagacca tctaaactca ttatcctttt tcccatactt 420
 ataatatattg tgccccaac ctacttctat taaatggtag acttataata 470

<210> 33352
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 33352

ctatcgagcg tctagctata ttacgagact caatcttaca tcatagatca acgttatggt 60
 cgtttgaata tgctcagagc ttcaacattc aatatcgagc atctcgacat gtatacggga 120
 ctcaatcaga catccgacat aagagttatt gtcgtttgaa ttagctcaga agttcaacat 180
 tcaatttcaa gcagctcgat atgttacggg actcactcat acattcg 227

<210> 33353
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 33353
 agctttctttt ggtccttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60
 gcgactgggc cctttcttcc ctctcgcaact tgagttcatt attgctaccc catagagctc 120
 cgcgaaatth gttccggaca tactcttctt tgtgagccct cttgggtctct tgttcaaggg 180
 ctcttgccgt aattgcattc tcttcccgtc acccggcaca ctcttccga acgtgtgtag 240
 caaccaactt gaacttctcc ttggcgaagt ttgccttcc taactcgtt ttgagagctt 300
 ggacttcttc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact cttaacttgg 360
 cgagccaatc taaacctcgt atgcgaactt tcagccattc gt 402

<210> 33354
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33354

ctgaggggtgc gtagcccacc atctnttcat agtagagtat cgataatgtg totaccatca 60
 cgattatcgt ctccctttcc atcattgggg gtaccacttg ggccgccaga tccctccacc 120
 ttttaggcgt gttctttgaa agatccgtcc cctttntgc aaatgttcta tagttgcac 180
 ctatccggaa ccatatcaaa attgtactga tactgcctaa caaaggcaac cattatgtcc 240
 ttccaagaat ggactcggga agattccaag ttagtgtacc aggtaacagc taccacagta 300
 agactttctt ggaaggaatg tattagcaat tctcatctt ttgcgtattc ccccatcttc 360
 tgacaatata tctttagatg gttcttggga caagtagttc ccttgtactt gtcaaggctc 420
 agcaccttga acttgggagg ggtgatgata tt 452

<210> 33355
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33355

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 atataacgag acgctcgaaa ttgaatattg aagctctgaa ctagttcaaa cgacaataac 120

ttntactcg gatgtctgat tgagtccgt aatatatcaa gacgctcgaa attgaatgtt 180
gaccctctga gcatattcaa acgacaataa cttttttctc ggatgtttga ttgtgtcccg 240
taatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
actttttact cggatgtctg a 321

<210> 33356
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33356

actcagctta acattcaatt tcgagcgtct cgatatatta cgagactcaa tcttacatct 60
gagaanaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttcgagcatc 120
tcgatatgtt acgggactca atcagacatc cgagaaaaaa gttattgtcg tttgaattag 180
ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240
tcgagaaaaa agttattgtc gtttgaattt gtcagaggt tcaacattca atttcgagcg 300
tctcgatatg ttacggggct taatcagaca tccgagtaaa aagttattgt cgtttgaatt 360
ggctcaaaga ttcaacattc aatatcgagc 390

<210> 33357
<211> 151
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33357

agcctatggg gtgttcgatg cgggtttatc tggggcggn aacgacattg accaacacct 60
tcttcacgt catcgctatc actatcatta tgatctgaat actgaatgta cgggtctaaca 120
agggatgggc tctaaaacat ggagtcacat g 151

<210> 33358
<211> 462
<212> DNA
<213> Glycine max
<400> 33358

acctacactt tagtaaaatc atccattaaa ttgcgacca ctctctttct ttctatacgt 60
 ggggtgcatag caggatccca gaggactatc gtatgatctt atatacacct acttaactca 120
 tggatacaat aaatattccc tttaacaacca tgtaatgatt ggtatagtac ggatttacat 180
 ctattaaggg aatgagccta tattttaacta tatgaccaa catctcatgt gtctactatg 240
 aattccagtc caccaaaata aaatgatctc gcggcagcgt tttaatcgct tactgactgc 300
 acggaagccc agacctgtgt tcacgccatt gagttccaac agtatatcat acttggtttc 360
 tttcaagaat gttatgttag ccatcttgta aggacactca ttagtttaga ctatagtggg 420
 gttcgacatc tattttaccc ataagtatct cactccacct cc 462

<210> 33359
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33359

agcttganat gatgtaatgt ggaatgggtga gacttccttc ttttattggt gaccacagag 60
 tgggtacctgg agatatgtcg cggnggtcaa gagaccttgt ggacatcatg tgggctgcta 120
 ttgccccaaa ccaagcttga ccaatcccgga cccaaccgg gcatagtcag tcagtggaaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataatagg aacaaagacc 240
 acaaagcaag gaggcttgtg tggtggctgg ctggctgtga atcttgtgtg atatatgggt 300
 tatggcctct ggtaatcgat tactaagggg gggtaatcga ttac 344

<210> 33360
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33360

cttgaggaag cctcttaatg aagctacatg gagcctggct cgtattaacg attcccaacc 60
 cttcgttaacc attggatctt ttcgaaattt ggtctgccgt ttcaaaagac aagtttccac 120
 gatctgacca atgggatctt tgagaagatg tctggagtgt gcgcgacatt tcctgttccg 180
 agagcattgc tcactttggt tgtttgagcc ttgtaatcca agtagcttat gaaaaatgcc 240

attccttctc ctttctttct tccaaaacca ttccaatgg ttcaagctct ttcttcatca 300
 cccacagcca ccattagcca ccacaaaccg ccgttggtct ccgttgaaac cccacaccg 360
 agaggtacac ctttaccoga agcggaatct tccaacttgg cttgtagttt cggtagccaa 420
 cgaaaaccta atccgacctt ttcattttct tcaaggatcc acggtctatg tgatcn 476

<210> 33361
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33361

agcttggtta attgtggttn tcttgatgaa gattntatgt gcttcagttg ttntttttta 60
 tgtggttttg aagttaaact aaagtagttg tgtgctttgt gaaatgggtt cagggctctt 120
 tggggctaata aatgtttgtg gagagagaag atgatcgttg tgctgagcat gattattgat 180
 gggtagcaga agtagaacgg taaacgttaa cactaatgac actaacaagg ttctgaacgg 240
 gatgccaagc tacgctctc cattgccttc ttctaattcc atgtgaatct ttctgaggac 300
 ccttatgtcg ttaatgttga tttcgttcta tattgagcta tgatagggtc ctggatcgta 360
 gtttgcttcg tttatgattc tcatgtggga gattatttat atggtgcaat atttgtattc 420
 tagttaactt tatgaact 438

<210> 33362
 <211> 191
 <212> DNA
 <213> Glycine max
 <400> 33362

tatctctatg tgctttgttg gatcatgttg aaaaggattg agtgcaatgc tgatggcgga 60
 cttattaaca caaaccagtc caataagagc attatatttt attttgaggt catcaagttt 120
 gatcttcatg cataacaact cactaaactc ctgagccata tctctaaatt ctgctactgc 180
 acttgatctt g 191

<210> 33363
 <211> 418
 <212> DNA

<213> Glycine max

<400> 33363

agcttctgtt ttctttttcg agcatcttga tatatgacgg gacacaatcg gacatccgag 60
caaaaagtta ttgtcatttg aattttgtga gagcttctgt attcattttt tagcatcaag 120
aattattaaa tgactcaatc agacatccga gtaaatagtt attgtcgttt gaatttgctg 180
acagcttctg tattcaattt cgagagtctc gaattattaa atgactcaat cggacatccg 240
agtcataagt tatcgctggt tgaatctgct cagagctttt attttcaatt tcgagcgtct 300
cgatatatta tgggactgaa tcggacatcc gagtaaaaag ttatgggtctt ttgaatttgc 360
ttagagtcac tgggtctcaat ttgggtgcgc tcattatact atacgactca atcggact 418

<210> 33364

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33364

ataagcaaat tcaaatagaca ataactnttg actcggatgt ccgattgagt catttaataa 60
ttcttgacgc tagaaattga atacagaagc tctcaccaaa tttaaatagac aataactntt 120
tactcagaag tctgattgtg tcccgtataa tatctagatg ctcaaaattg aaaacagaag 180
ctctgagcaa attcaaacga caatagcttt tgactcggat atccgattga gtcatttaat 240
aattcgagac gctcaaaatt gaatacagaa gctctaagca aattcaaatg acaataactn 300
ttgactcgaa tgtccgattg agtcattnta taattcgaga cgctcaaaat ngaatgcacg 360
agctctcacc anatntaaat gacaataact ttttactcag aagtctaatt 410

<210> 33365

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33365

agagggaaat ttgattcgtg gcaactgcgac acctgaactc tcagcactac gctcncttgg 60
agcgtcttgc ttacctcgac acgtataact tcactctcta caaaaacggg gcagtcgccc 120

gtggttattc ggatctccat cgatgcgtat cgaggctcta gatgcgcatac tggagccaaa 180
cacacgaacc aaatcaaatac tgatgtcatg cgagttttct cgaaacaacg gcatgtgaga 240
gaaagcctta cgcctatggt gtgtactgaa gcaatggggc gtgacacatt gatccgattc 300
tcgagcaagc tgtgtacaaa cgcgcgcacc ccaatcgtct gagatgtgac cgagcgtata 360
cgacatgatt ttgcaaattg tgagggtggga ctgttcataa atgtaaatac agctacgaga 420
gtctaataatt gcccgaaatgc atctcaactc agaatacaac tttgtgcttg atggcaaaga 480
cctcccctgc tatgatacac ataatgtcn 509

<210> 33366
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33366

agctttcttg agataacttc attgaanagc ttctntgaga aaacttcctt gagaagctag 60
agcttagcta cacatacccc tctcataact aagctcacct ccttgagaag ctctccttaag 120
aagattccta aagaagctag agcttagcta cacacacctc tataatagct aagctcacct 180
ccttgagatg agaagcaaga gcttagctac acacctccta taatagctaa gctcacctc 240
atgacaaaat acaaaaaagt ccctactaca aagactattc aaaatgcctc gaaatacaag 300
gttataactc tatactacta gaatggccaa aatacaaggc ccanatgaac ganaaaccta 360
ttctaataatt tacanagata agcggggtca tacttagccc atggggctcg aatctaccct 420
aggctcatga gaaccct 437

<210> 33367
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33367

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gaccttgatt ntctcaggt ccacttggac cccttttcta ccaactacaa accctaagga 120
aactatatta tctacacaaa aagtacactt ctctatattt gcatagaggg tgtttttctt 180

<400> 33370

cgtaggatta tgggtgtaccc atcacatgtg gtactaggtg gcggttggca atgtgcacac 60
aagtttttcc cttccacatg cgcgcataac ccaaccttcc ctggttgcct accttcactg 120
gactcaccgt cttccacggt acccatattc ctcggttctct aaccaccggg tcccattaat 180
tcttccaagc ttacacaaca ttccagcaaa acaacattca cacagcacia gctatcacag 240
cccaacaaaa acagagccaa agcagaaaaac tctgcaaaaa caccaaccaa aaatcacaag 300
cttttccact caaaaaaccc aggtaccaat tcttcgatcc aattcgataa ccggttgatc 360
gactcaaaaa tttacttgaa gtctacagtg cataagccta cattttgacc gtggggatct 420
actatcatatc attcagaact cattctacat tactcttgtc acacg 465

<210> 33371

<211> 355

<212> DNA

<213> Glycine max

<400> 33371

agcatttgat ttgtccaact tatatccacc cctaattgta ttgatacaaa ataaagaatt 60
tttatcaaaa aaaaaacata ttcattacat caaaatgtaa aaggcattta ttttcttttt 120
catccattaa aacctttcta attttghtat tttaacaaaa aaagaatatt aaagagaaaa 180
acctatgatg tattttttta tgagactatt atgtattctt atatctgtgt tctagtaata 240
caaaattaat tgtggagtga catggaccca aaagttatat actaatataa ttcgattttt 300
ttctaataata ctttttagaga taatctcata atattgtcat ttcaaaaatg tgatc 355

<210> 33372

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33372

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ttgatacttt aaagacaacc ttagccaaac ataaattaag aatttataaa ctctgaccat 120
cataattgtt ctaagctcaa ttgatatctt tgatatgcta tgtatgctcc ttgaatcaaa 180

atttatataa tttgtcttca tcaaaatggg gcagattggtt agaattggac aacccatcat 240
tgaacgatcc attcattcct ttttaagtttg atgagtaaca aagatataaa tntatgacca 300
ctaataactt acacttaaaa gtgcaagaca tgtcatatgg aagtattatg gtaataactt 360
ctatctcttc agctcctttc ttgattgtcg ccactcttca atcctgtgcc tattttttaa 420
agaataatca catat 435

<210> 33373
<211> 384
<212> DNA
<213> Glycine max

<400> 33373

agcttcctta gtttgagaga agcttatgtc atggctgccg tgcaaactca gttgactaag 60
gtcccacttg acgagatcat gatcagagaa tttgctgagc ggcacttcac ccataacttc 120
gcttctcata atgctggcac aattcttatc ctctacaagt atgagaagat tcatctttct 180
gctttggaga catatgcaca ttcgattcac tgtgctattg atagcaaac cactgccaaa 240
cactgtcagg aatcattcat ctacagtctt cactccattg tggcaagaag agctcattcg 300
gataatctaa ctatgtatca atgttaatat gaactgcacc togtcctca ttggagagct 360
caacttcata ctattctcca ccga 384

<210> 33374
<211> 62
<212> DNA
<213> Glycine max

<400> 33374

caagttgtga gctgtgtctg atctaccatg gctgcaaacg tgtattatta tttgggactg 60
tc 62

<210> 33375
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33375

agcttgtagc atattcgaac gacaataact atttactctg atgtccgatt gagtcccgtg 60

atatatcgag acactcgtaa ttgaaaacag aagttctgag aaaattcaaa cgacaataac 120
 tttttattcg gatgtccgat tgagtatcgt aatatatcga gacgctcgta attgaaaaca 180
 aaagcttgta gcaaattcga acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctagt aattgaaatt agaagctctg agcanattca aacgacaatt 300
 acttggtgact cggatgtccg actgtgtccc gtagtatttc gagacgctcg atattgaaca 360
 ctgaagctct gagaaaaagc aaacgacaat aacattttac tctgatg 407

<210> 33376
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33376

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 aaatagacct aaccagacca ttatagttgc tggttgaata ccttcaccac ttcagtgtat 120
 cacacaatta tggcttttct ctaatgaaac actcttgcct ttttaactc taattccoct 180
 ttgagttcta agcaattcaa gagattatgg ccacaacaaa gaacaattca ccaatatgtg 240
 taaggtaagg ctagacaatg aaaagggttaa ccaagattaa ggctaacaat ggttttatgc 300
 acanatgaag gaaataatat tcagaattta ngaattcang taacaatcct tcatgcaacc 360
 aatatattac ctttaaagag ttntttcttn taagttcttc angcatgaac cattcagccc 420
 actttttttt attntaata tnnttatcac aaaatcgctt cctttctttc c 471

<210> 33377
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33377

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 gcctccattt cactgtcaac gtgcaagact aatttctctc tgcaaaaaaca ttatgttgca 120
 aatcccaaca gtgagaatat gcaaaacagg ttctaaaggt ggttccaaat tcacgatgat 180
 ccaacgggtg acgagtccat gatcataatt ttactgggac agatttgggt gtatgcggga 240

gttatcatgc tataattggc cattatcctt tntctttcct ctatntcctc tagtaataat 420
atntctcttg gtgctcatct taatc 445

<210> 33380
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33380

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tcggttntgc atgaatttct aattatcata acatatgatt catggaagtg atctgggcat 120
tctttctttc ttacattttt ttagccatgg gccaaacagc tatcccaatg tacattatct 180
ttgtcatttg caagccctt tgagtcagac acttgatatt ttattgaatc acaaacctaa 240
gatgaaagtt tcctacctta ccttaagata ggagagcagg gatgttntcg atggagattt 300
ctatcattta gtggctagtt gttggtattg 330

<210> 33381
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33381

tttcttcaca gtttatctnt ttcaaacttg agttttggaa gaccaactac taagtctttc 60
ctaactagat gatataaacg atggatgtta atgtgttcaa ccctacaatg ccacaacctat 120
gaatcatcat ctatcttact caccaagcaa cttagctcat gaaaagatgc atgctcaaca 180
ttcagcatat aaatattacc tattctctta ccaatgtgga caactttacc agatatggct 240
tcacttataa gatagcaatt tctgtcaaac tcaatcttga aacctttatc gcatagtgtga 300
ctaattgtta gaaagttatg ctctagtga tccatattga gcacattctt tatctgagtt 360
ttgtgttaat tccctatatt tccctcccca gtatattttg ctttggtatt gtctccaaac 420
atgacata 428

<210> 33382
<211> 397

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33382

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agcccaagag aatgatttca agattgactc aacacgtttc aagaatcaag agaagtttga 120
tttcaagatt caagagaaga tgaattcatg attcaagaga agatatcaag aagacttcac 180
aagggaagta ttgaaaagat ttttcagaaa acaaacatag cacagttttt tttttcacia 240
cagtttttct caacattttc taagctacca gagtttttac tctctggtaa tcgattacta 300
gtttcctgta atcgattacc agtggcaaag tttgatttca aaagttttca actgaatttg 360
gcatgttcca attaatttca naatggtgta atcgatt 397

<210> 33383
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33383

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aatagtgcac cgccttttaa attatgaata taattttttc taacttacc ttattatatt 120
atgagtgtag aagataataa aatcatataa tattttgaat atttaaggaa gggaattcag 180
caaaggaact tgtttgctta taatcgaggt atctaataac attcttattt ttgtgcataa 240
ccttaaatta tatatgaacg gaatcaatcc tgtgatcgac aaatctgtat atcgatactc 300
atttggtgag cgctntgtcc atgttacatg aa 332

<210> 33384
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33384

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tttgactacg ctcgagtaat gtacatgtta tggttatatgc agtcaaggat acatcatggt 120

tcattcttgt ttgcgacctg tgttctatta tatgcagacc tgcacttggtg tattgtgaca 180
ctcacactaa gtgtcccaca aaaaatgcta aaaaactaga aaagaatggg cgtgttagaa 240
ctttgaacac cacaaagaag catctagatg cattatcttg gaaacacaat caaggagcaa 300
aaccctattc tacgatctct ctgaatttga accaatcgag acaaagtgtg cactcaacgt 360
acgaccgtag caaaggacgg agcatctaac ggtatggtca tagatacata caaactgtag 420
accatctgac atccaaccg 439

<210> 33385
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33385

ccaacattca acttcgagcg tctcngtata ttatacgact caattagaca tccgagtant 60
aaaggatttg tcgtttgata tntctcagaa gcttcacatt caatttcgag cgtctcaata 120
tatgacggga ctcaatcaga cattcgagta aaaagatatt gtcgtcttaa ttgggtcaaa 180
gcttctacat tcaatttcga acgtctcgat atatgacggg actcaatcan gcattccgtgt 240
aaaaagttat tgtcgtttga gttgggtcag agcttcaaca ttcaatttca agcgtctcga 300
tatatgacgg gactcaatca ngcatccgag taaaaagtta ttgtcgtttg aatgggtgag 360
agctcaacat caatttcagc gtctcgatat atgacggact catcagacat cnagtaaaag 420
atatgtcggt gaattgctag agcttcacat tcattcg 457

<210> 33386
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33386

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tcccgtaac tgagtacaaa gtgacttgca gcagtttggg gagtaattaa gcaactcttct 120
atatgtcaaa ttttaaaatc atttacatat caaatatgaa tttcatgatg tttcgagtac 180
catatactta tttatgaaag ctacaagatt caccatttgg aacttgaaag ggactatgaa 240

gtgtaggata gattataatc atggtaggaa gactgtaaaa antggaaatg gatggaggaa 300
 atttgcacaa tcatagaatt tgcttactag aactcaaatc atatngaatt tcttagatgc 360
 aacttctaac tttgtttaat ttggatttgt tggaattaaa gtatattact actgcactat 420
 tatcaagtta taa 433

<210> 33387
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 33387

tgtttgaagc gatcccagtg ggcttgaatt agtgaagtgt caatcgtcac gga 53

<210> 33388
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33388

tagctcgtag gcttctatctt acaaccatac attggctttg aacaccatga gaaaattcac 60
 acaaaaaact gaattagtga gacatggagt tacaagattt gctaccactt tcttaacttt 120
 gcaaagattg cataagcaaa aggccaatct tagaaggatg tttacttcag atgaatgggtt 180
 gaagtctatg gcagctaaag agcccaaggg gaagcaagca acagatgttg ttcttatgcc 240
 atcatttttg aatgatgttg tctatgcttt ataggctatg gggcctcttg aagtgtgtcg 300
 atgtggtgaa taatgaaaaa aacctgaata tgttcattta tgaacaatgg aatggccaag 360
 agcttcaata caatgaaaga tagatatgga ta 392

<210> 33389
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33389

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 agatcttttg agcgcggatg atgacgtaag tctccgcgtg taaacaggct tgcggccgc 120
 gattgacgaa tggcgcagga gacgacttta gtctctgcgt gctatcaggc ttctcggctt 180

tcagatagca gaaaggttta tacggataac cacgcgggta tctccgcccg tcagcgtgac 240
tcattagtca gtatgacaga tcttgtgagc gcgtaagatg acgtaaatct tccgcatgtc 300
aacgcgctag ttggccgcgt ttgactaatg gcgcatgaga cgaccttagt gtctgcgtgc 360
tatcaggcta ttcgtcttac cgaagcaaaa aggtctattc tggtaaccac tc 412

<210> 33390
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33390

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aaagccttct tctataaatg gctntataat cgtttagtaa aactggtaaa tgattaattt 120
gacgactcta gccaaatttc aaatagaagt gagttgtggt gcttgttctt acactttgta 180
attgattaca taaccttgta atcgatcaca ttgtgttgaa cttatggctt ctaagaaact 240
ttgatatcaa tccatgcac tatcatgttt gattcacact aagcatggat aaagaaaaac 300
taagacttaa tctaccaccc atgcctagac taatacatc aatacaaatg ccacatcttt 360
taatatgtgt ctaacattg 379

<210> 33391
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33391

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anggaagaat atctccaaga acaccctctt aaggatcatcc caactaaaaa tagacctgcg 120
agcaaggtag tatagccaat cttttgtcac tccctccaga gaatgaggaa cagccttttag 180
aaagatatga tcttcttggc catcangggg cttcatggtg gaacaaacaa tatcgaactc 240
cttaagatgc ttatgaagat cttcacctgc aagaccatga aactnnggca gcacatgtat 300
tagtccagtc ttgagaacat atggaacacc ctcacatga tattgaaagc acaagctttc 360
ataagtana tcaagtgcag ccatctccct agagtctctc 400

<210> 33392
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 33392

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 aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
 aaggtgtatt tggtacctac atcacacaca tttcctttgc taaattcaca tacatgcata 180
 ctctaagcac tttggctatc gaaaattgca tacgtgcaca tcctgggtatt tctaatacct 240
 atacatacac aaactttatg ataaatcttg actatctaca caataagggtg ctacatttca 300
 tgcttttttc aagtttttgc tacctaaagc cgcattgcaaa ttcaagtata ttttcttttg 360
 ctgactaaaa ttgtattcaa aataaa 386

<210> 33393
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33393

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 gctaggggtg tgtgtagcta agctctagct tctcaaggaa gtttctcaag gaagttacct 120
 aggctataaa tagaagcatg tgtaacactt gttgtaactc tgatgaatga gagtcttgtg 180
 agacacactt canagttcca cttctctcct tctttnttct ccttcaatgt cgtgcccctc 240
 cctctctctc tctctctctc tctctcattc ttttcatcca ttgaagcttc ctttctaagc 300
 ttcttatcca aggcttattc cctagtggat gatgctcct ctcatctctt ctcttatatc 360
 ttccgctgca tatccatggt tgaaaatcac cattgaagaa cttcattg 408

<210> 33394
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33394

<210> 33399
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33399

tacaattata tgatggagtg ggacaagatc aatcgatagg cataaccaac ccaaatacata 60
 aattagtcac aacccaaata taatccaaac aatcataatn taaaaacaca taanattcaa 120
 tcataaaaga ctaaagtcga aataccaaaa gataaataaa gtgcagaaaa tgataactna 180
 tataccatag ccaaaataga cggcttnaaa agaaaattat anactaaact ctaagactgt 240
 ggacgtggtg gtggaagatc gaagctctgg cgaatataac ccacatcttc ttca 294

<210> 33400
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 33400

agctaacaca ctttgtggac gtattttctc atgtatagtg taaaattagt tgttcattgtt 60
 tgagtgtcca tttgcaagtt tcaaaactac gtttctgac caattcgatc tggagtgtta 120
 ttttagtggt ggtatattag aataaagtgt tgtgtttgct ctaataatat tttagccatt 180
 agtatccaat tagatgcatt agttgcttga aatataatag accggacata attcggctgt 240
 tcaaaatata taattttggc aaaatacttt tgccgcctaa atatcccca taatattgtt 300
 atattacatt tcgataatga tc 322

<210> 33401
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 33401

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 actagaaatc gactaccaat atcttgtaac cgattacacc attctgaaat caattggaac 120
 gttgctcatt tagttgagaa ctttttgaaa tcgaacttcg cactggtaa tcgattacag 180

gaaactggtg atcgattacc tgagagttga aaatctgggt acttagaaat gttgagaaaa 240
actcttttga taaacaaaac tgtgctatgt 270

<210> 33402
<211> 400
<212> DNA
<213> Glycine max

<400> 33402

ccttcacttt cgatattggt tgattctcaa ctagtttatg aactggttag ttcttctcaa 60
atgcctcctt tcttgtgtgt aacagataaa tccaaagttt ccttgtgaaa tcatcaacta 120
ttgacatgaa gtatctaact tttccctttg attatacctt tgaaggccct cacaagtcaa 180
aatgaatgtc atccattcta ttcttgttgg tgagcattcc agtactgaat attactatgt 240
gacacttacc atacacacag tgtcacaaaa aaggcttcca atttgtactc tccaactgac 300
cttggtgctc aattcaacat accattctac taacatgtca gcctcatatc cataactttg 360
cttggcagat attgtctcac actaaactga tcctatacat 400

<210> 33403
<211> 406
<212> DNA
<213> Glycine max

<400> 33403

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atagcaaatt aaactgatgt aaatgtgaag caaactttca cctcacacaa gtccataacg 120
tcaatctata cttgctcaaa ctgaatgtat acctaaaatt ccaccgaatc aaataagatc 180
ttcatcacca ttttgcccta gaaaagctct cagtcacttt tgtcatatgt actcccttag 240
cacagcaacc tatctacatg tctacatgac atttcagcta agatgactaa attaacaactc 300
attaccacat atatagaact taccctccca cgctcaagcc aactctatt cactcattaa 360
caccattat cacttttacc gtaggtaaaa tacatttatc tctacc 406

<210> 33404
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33404

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tagcgtaca tcaagcgta acttacagag agtaagtctt gtctttttca ctttcaagaa 60
ttcanaagcc gtaagagagt ggcgcttatc gcctcctgtc ctgctcaccc cagcttaaaa 120
actcatgtta taaaatggat ctgcgactta acgtaagata ttgcacttag cgctgctaca 180
atgaaatctt tcttgagaaa aagtggcact tatcgcatca tccacgctga acgcactgtg 240
taaagttcaa ttaccgagaa gatgtggggc ctatcgcagt gatgtgcgct ttgctgaact 300
atcagcc 307
```

<210> 33405
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33405

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ctttgcaact taaaatngag agcatgctta atgctttaat tgatagatag aacacagttt 60
acgagttggg acaagacctt gccaaattca tgaatgtcac accaaaatct tgaaaactga 120
ttggaagtaa aacttgcac ttttataaaa ttccattatt atttgaaggg catataaaac 180
aaatgttcat agtagaagaa ttacactat ttaattaaaa aatgtttttc taaaaaacac 240
ccacatttaa taatgtagaa ttgattacaa aaaaaaatgt agaatcaaat ttataataaa 300
taaataataca caaatacgga atgcgagggg aaatatccat taaatatata tntagctcta 360
tacatgttga ttaagttatt agttacttac agctgttaaa agaaaatact aa 412
```

<210> 33406
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33406

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tttctngcgt atgtttatga gttgaattga ttgactgcat gaatgtattg aattgtgacg 60
tgtatatcat atgctttgaa tatgtatgct gtgattagaa cagaatgaac actattttacg 120
agcatgactg acattgttac ttggtttgac tgcaaattat atgacattcg ttagccatat 180
ccaggtggat ttgtgatctc taattgtgag agaacgacta gcattatgta ctcagttttg 240
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catgaatctc tgaatattga atgactgcat gagtctcaag aatacgaatg ccatgattgt 300
tcgacattac ctcttatcca t 321

<210> 33407
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33407

cgagacccat cttcaagaca taaacaagac acaacacttt gtgcgtgac ttcaaataca 60
atagggtcag taacagttcc acctatgtnt cattacaaca acagagcgag actagaattg 120
acttcatgga agacaaggct gacctcatcc attggaatta cacttgatgg aaaattggta 180
tcatccctta atggcttcta gagctcgagt tactcggggt gttttgtggt ttcattcatgc 240
tactgtggcc ataacagtat aaacacaccg caactatcta cgtagataaa acctcatcat 300
ngcgctaggt agaataagaa atca 324

<210> 33408
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33408

tcttgcttgt acgtttttca tccataaacc tatgtggaac atttgacatt gttataccct 60
aatttcgtcc ggtgattatg attngatgat atacaacctc tgattggccg cttcaagata 120
cttggcacc c tgtgctgcac aatatgtgaa ttcccgagat gtgccccaaa tcaaaaagaa 180
gcatgcgtac gcgatccgtg aaaatttcgc aatgtgacat aaatcgtatg gaagtgtttt 240
tcgcataccg cga 253

<210> 33409
<211> 304
<212> DNA
<213> Glycine max

<400> 33409

gtcattctac acctaaataa gatgaggaca tagccgctct taagatatataa cttcctaaca 60

aatattttca tgcaggtgga gcttcttcta gtaattttaga cttaccgcaa cctcttatcc 120
 ctcttccatt cccacctaga gcaattccag acaaaaaaat ggaagaagta gaaaatgaga 180
 tcttgagac cttcatgaaa gtagaggtga acatacctct tctagatgcc atcaagttta 240
 ttccaagata tgccaagttt ctaaaggagc tgtgcaccca caaaatgaag ctcatatgca 300
 atga 304

<210> 33410
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33410

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 tccactaagc gcaacactca tgggctaagc gcgaggaaga ctctggaaga agatgagttg 120
 cacagattcg ctaagcacac cgcttcatct cactaagcgc actgcttcag ttcacccggt 180
 aagcgagaaa ggcacgtgct aagccaaaat tcactaatgt gcactaagcg gtccataagt 240
 gcgcttagcg cagcagcacg aacaaggcca cctatttaag cctgaaatca gattctagag 300
 agagagtttg gactgggatt cacagctttg catgtctaga gattctaaag ag 352

<210> 33411
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33411

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 ctatgattgc ctttctaagt tcttcaaaaa ctaaggtttt atttaatggt gtttggtgtg 120
 accaactata gtnttacaca tatgaaagct tgaagcaagt gatgccatct agtattcaac 180
 ccaacacggt tcagactgtg agttaatggt tgttccttgc tcttaaccat cattnttttg 240
 tctcattgca atgaatgtaa ctgggatgat ttacaaatt tctatangca gtgtgtggag 300
 gattagctgg atctatggct gctttattca cgactccttt tgatgtgatc aagactagat 360
 tacagacaca tgtatttaat tatcatgccc ttcaattgta taaattctta ttgctactac 420

tggtgcagcc atctaattag atgttg

446

<210> 33412
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33412

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gctaatttct ttgtccttga actacactca acgctattng caccaaaatt attacaaatt 120
atggtgattc tgggtggtttt taggggttcat atggtcgtgg tgggttttcc aaccgcagtg 180
ttagatgcgg tgggtggtggc tccagcagaa gtcgtggtgg tggtcagttt gccaaactttt 240
agtatcaaca tttgccttaa gtatggacac tgcgcaattt tgccacttta agtctgatat 300
gagttttcag cctcatgaat cagtcacctt ctttgattct accacacttc naccaattcc 360
ctactccact ggttcaatca gagcttctaa tacctggatt aatcctaatt c 411

<210> 33413
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33413

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ttgacctga cttgatagaa cctctnttta agcanaggcg cctgactcga tcccatgttt 120
tactaaagtg aaacaaaacc cagtgcgaat caagactccg acatctatca tgggtggaat 180
ggatgaatgc atgaagaaat gcatatgaca cagaccctcc gtcgagattg tcctctttct 240
agatacaaca ttcgggcagc atggctcctg atgtatgcat ntaagaaggc gacacgaacc 300
ctccgtcggg tcgtgacaaa gtgaggggat caagacgcaa cccatgcatg atgcggatgc 360
gataaaggca caacacgagg atgtacatag tatgacaata tccacaaata atcatacagc 420
aaaggcgtac atgacatttt taaactacat 450

<210> 33414
<211> 426

<400> 33416

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ctcacagtct ttagaattgn gagccaatcc aatcccttgt gttcggactc tcaaccactt 120
atgatagccg gcgatgatcc cattactgct tcccctaagc tctctgtcct ttcttcacgc 180
cgcatcccat gccttgcgaa ctcccttgag taccctcgcg ttgtggtcac cgaaaccccg 240
tgcgatgaaa ggcgtgatgc tttcgtctga tggcactcct ctcatggggg agccaagctg 300
tcttatggcg aggacgagat tataattaat acaacccctt gttccatcaa gggaacattt 360
ggacatcctt cgcatgaaga tagaatccct gattc 395

<210> 33417

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33417

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tcctcacgtt tgggtttttta gggaaaacac cataactaaa cgcgccgcaa gggatcccta 120
tcgcaccaga tccaaatcta gaacgatggg tgatcaagag gagacacagg aacagatgaa 180
agccgacatg tcggctctga aagaacaaat ggccctccatg atggaggcca tgtaggtat 240
gaagcagctc atggagaaaa acgcggccac tgccgcccgt gtcagttcgg ctgccgaagc 300
agacccgact ctcttgcaa ctacgcacca tcctcccca agcatagtag gacgngaag 360
ggacgcactg tggcacgatg gcagccctca cctgtgatac aaccgaacgg cttaccctta 420
tggattgccg cccaactatt caccacccat cttgcaagaa gatg 464

<210> 33418

<211> 141

<212> DNA

<213> Glycine max

<400> 33418

gctcatattt atggggcaaaa tttgggggtt tatatgcttg atttggttaga gatgacgggt 60
tggaagggat ggccttacgc ctatgtggta ttctgaaaca atggggcatg ccacattgcc 120
cccattctct tgcaatttat g 141

<210> 33419
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33419

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taatatatcg agacgctcga agtggaacac cgaatctctg agcatattca aacgacaata 120
actttgtact cggatgtcag attgagtcca gaaatttgtc gagatgcttg aaattgaaga 180
ccaaagctct gagcaaattc aaacgacaat aactatttac tcggatgtgt gactgagtcc 240
cgtaatatat cgagacgctc ggaattgatt atcgaagctc tgagcgaatt caaacgacaa 300
taactgttac tcggatggct gatagagtcc cgtacta 337

<210> 33420
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33420

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gaaatnttct catagccttc aacatttcaa gttgtgagcc gttttgatat nattacgata 120
ccctcaatcg gacattccga gtaaaaaagt tattggctcg tgaatttggt cagagcttcn 180
gcattcaagt ccgagcctct cgatatacta cgggactcaa tcagacctcc gagtaaaagg 240
ctattgtcgt ttgaatatgc tcaaaacttc gacattctag tccgagcgtc tcgatatatt 300
acgggactca atcagacatc cgagttaaaa gttattgtcg tttgaatatg cttagagctt 360
ctgtattcca tttgagcgtc tcgatatatt ac 392

<210> 33421
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33421

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 tgattgagct taattgagaa ttgtagctaa atttcaaatt ttgtgcttac ttgacatatac 180
 tatcttgtgt agggcctaga ggagactaca gaactccaaa tggaatgtgt aagtagtccc 240
 tagaaagttg agaaaaggat cttcaattgt gttacaaatg ctttagccaa ttctggcatt 300
 tcaagggcca cattgagctt ggaagtcaga gcctctgcac ttgaataatt gngctataag 360
 tttggacttt tattttgtga attagtttag ttaagtagtt aggtagttat tatagtatct 420
 aagtaagtca ctaacactct atatat 446

<210> 33422
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33422

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 tctcccccta tatgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
 cccgttcaca tagcccttac tccccctatc ttttggcatg tatgcctaac tttaatgatt 180
 ttaattgatt tctaaccxaa gttctctccc cctttggcaa catcaaaaag aataagcaag 240
 acaatcaata gataaacaga gtcaaacatt aaaccaaatt aaatccatac attgtcataa 300
 tcaaccaaag caaagtctag aaatataata atagtgaag attacgataa ctagagcaac 360
 ataaagccag atacacggtg atgaaacana gtactaataa tacttaatca ctaatattac 420
 ttagtcataa taataacata t 441

<210> 33423
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33423

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 atgaggcgca cgccacatca ctggccgtcg catcacgacg tagtgactgg aacgaccctg 120

tcgttgccca cctgactcga cttgcagcga atacttcttt cggcagctgg cgtagaacct 180
aagacgccgg cccggatcgc actttcctca tgtegatctg ctgatggcga ctggtcctga 240
tgcggaacttc atttcttaca cctctgcgcc gtctatcact accgatattg tgctctctca 300
ncacgagact gatatgccgc cgcatactg tctcaggcca gcaccctcct acatcagggtg 360
cgcgacttaa tgacagcgtc tgagcagaca cgaacatgtc gacaactgag tgcggggggta 420
gtcaccaact agtggcgtgg gacatcagcc atcgcg 456

<210> 33424
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33424

tagctttctc tagttaatta tcataagacc ccacaagaaa gcttccatgg tgatccctac 60
aaatttctct aaaccctgcc taagatgggt tttccaaaag tcgacttaga atctatagaa 120
tttaagataa tttttctaata tacaatctta gaattttaaa aaaaattaaa aaaacctaca 180
gtaatatattt tttatcaaata aaaaactcac cataattgac tatagaattt acaaatcata 240
tttgataaaa atcatctctc ttcccaagat gatgatattt tgttactcaa taaaattaat 300
tntaaattca tgattgattt ggtgaataaa atcttanaac ttataagaaa gtgcgatttt 360
tcccctaatt ataccatgca ataataataa aaaattcaaa tgagattnta aattaaatta 420
tatatgaaga atatttta 437

<210> 33425
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33425

tggaccaagt tacttgtctg cttgaanttt tggatttgtc aactattga actataatta 60
ttctcaaata ctctgattga tgattttag ttcatacagg ctctgggttat cagactcctg 120
gtttaatgac ttgtgaccaa aattgggttaa tcagttttta tttttttatg tttagggtgtg 180
gactttggaa tatcttattt tagaattcat atatcttgtt ttatgggtggg aaattaaataa 240

aaagtataaa tctggtatgt gtgatattca acgataataa aacaagtgat aaatcaaata 300
 ttatgttcca ttntataaat acactagtgc tttatgggtg tgcctcttgg cactcccact 360
 agtcccactg ctctaacaat tattttatac ttcaaatacc cttcattgaa tactttgtcc 420
 ttatttc 427

<210> 33426
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33426

ggcatgttta tgcttgtggg attttntgt gatagtgaat tttggccgga gaaatgttga 60
 gtgaatagat aaaagtacct taccgnngat ttgtattttt tatgaggtga attggtgttt 120
 ttacatttgg agttctatag tagcataggc atttgtgaca ctttttctac ttgtganatg 180
 ccgagtattt gtatgctgca acttcttgca cnatgtcant gctcatttgg ctaagaaaga 240
 ttgtttggag gatacttcta gttgttgcaa taagggaag cacattagat ctattgttga 300
 tatatagata ctgcacaaag agcttgcaa agaatcccgg tgttctcatg aacgaagtaa 360
 gcatatagat acaacgtatc atttcattag agagtgcatt accaagaaaa gaagtagaat 420
 tgactcatgt gaataactcaa gatc 444

<210> 33427
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33427

ctatntggct ttctctntat tatgaacaaa gatcgaagcc atatcttagc tagctacact 60
 tgttcataat aatgcacaca acttcgaaag tggttgcaca cttaatcatt tacaaaagaa 120
 gatttttaaa gttttatctc atagaaaaca cttcgtccaa gaatataagc catatagagt 180
 atactagatt cttanaaaca tttatgatat anaaataata tntttatata gactagatgg 240
 atgctttcaa ttaagtgaac acttangtat atagaaaaaa acatttgacg gcttatgtta 300
 agtagatgga ttattanaac cctagatggg attgtgatgc tagtcttaat gatacttgaa 360

gaatntacaa gacatacaca tgacacagac cctagctctt caatcttggt ctttgacctt 420
ga 422

<210> 33428
<211> 268
<212> DNA
<213> Glycine max

<400> 33428

acctcatttc tgtagtcgac gacaacgctc gacttgtgaa cttatctgcc aagagtatat 60
aactggaata actaatgtgc ctttatcaca tctcttcaca cagtaatgct gagcaaata 120
atgtcagcat tcaactgtcta tctgcattaa gtaatgagga aacgacgaga acagaacctc 180
tgaaaatttg aataatctat ctatcactcc aacgatcgta tgatcatgta tgcattcctc 240
ttgctcataa atcctactgg gttcaact 268

<210> 33429
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33429

tgctgatgtt gcaggaacat atgggtgaaac aaccttgctc catttctttg ttaangagat 60
tgttcgctcg gcacgaatca cagcttcata caggatcatg cggcataata actaatacat 120
aactgaggaa gagatcgatg atacgtatgg acataatacg actagaactc gtttctgac 180
taagtgtga gttatgcgct gttaagatga cactcacaat tgactcggat gtccttgac 240
gctctatctc aaacctatca agtggatcgg ctaacatgca gaacctgtta acgggtcgtt 300
tgtgtgagga tgtaaagagt gacagctttg tcatgtctat gaagtggaat cagaactatg 360
cacaca 366

<210> 33430
<211> 336
<212> DNA
<213> Glycine max

<400> 33430

agcttttact ttatctgtaa gctgtagcca ttaggtcgat caccatgtag ctaatgttgc 60

tccccctatc tctagcatat catatgtcaa taagtacttg cagtttctca tgatgaaaaa 120
tacttgaact atggggcatg tcacttggtt tgaaaacttta ttgagactaa ggtcgatcac 180
catggttagg aagttgattg agcacgacat ggtgacctcg acacttggtg cctagtttta 240
ctaagtgaaa ggcgcgtgtg gacacactta agctatTTTT tgactaatga taccacattg 300
catctgatat atgaagccta gtgcttgcat cataact 336

<210> 33431
<211> 294
<212> DNA
<213> Glycine max

<400> 33431

gtgaatctct cccacgtctc acggagtgtg tegtcatacc cttgttataa agtcgctatg 60
aagttttgct gcacctctta ccaagtattg atgctattat tcggatgtga ttggagccat 120
gtttttgcct tacctgcaa tgaaaatctg aaagctctga ggtagacagc tacatcatct 180
tcatgtgatg ctcccatggt actacataat tgcacaacac ttattgctga aaggaggaat 240
gactatgttg gtgatatgct atggtccttg ttgattagca tagtcaccaa gagt 294

<210> 33432
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33432

agctntggga ctgtaaaact atataacagc accaagggtc tagtttaggt ctctcttcga 60
ttattcggtt ttagtttttag tctctctctc tctctctctc ttcttctctc tcctatcttc 120
gttttttagt ntaggctttt cttagacact nttttgtttt gcaattccag ttttgacttt 180
tcatttttagc aataaaatnt tgttcttcaa tctataattt cgttctctat tgattaatgg 240
aaggctagat tttctggtgt tgttcctttt gaggacgaag cccaactctc tntgaggttt 300
cgctggcaat gtggtttcct ggcagttntc ccttcaccag ttatcccaat ttcgtgaata 360
ttaatcagtg cacgcttcgt gttcgattaa ttgcctctga 400

<210> 33433

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33433

tatagaatat ataataagag atctatgact attgaagaat ctattcatga ttcctttgat 60
 gagtctaattg ttattcctcc aagaaaggaa attctagatg atattgcaga atcttttagaa 120
 aaaatgcata tttatggaca agattctaaa ggaaaaggga aaggaagcaa tgaagatcct 180
 ccagaagaag ccatatcaaa ttatgaactt ccaagagaat ggaaagcttc aagagatcat 240
 ccccttgaca acattattgg tgatatctca naaggggtaa caactagaca ttctcttaaa 300
 gatntatgca ataatatggc ttttgtgtct atggttgaac ctaaaaatat aaatgaagcc 360
 ataatagatg atcattggat agttgctat 389

<210> 33434
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33434

agcttgaaat gtttaagtgt agaatgttga aacttcttgc tnttattcgc tgaccacaga 60
 gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcaa gtgggggtgct 120
 attgccccaa accaagcttg accaatcccg acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaagcg ggcgagctcc tggcagtcaa cagataaaaag gaactaagac 240
 caciaagcaa ggatgcttgt gtggtggctg gccaaactgtg aactttgatt gatatatggg 300
 atatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttaaaaatga 360
 agacaggaga ctaagatggt ctctggtaat cgattaccan aggagtgtaa tcgattacca 420
 agcttga 427

<210> 33435
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33435

tatccttatg gcttgccctcc ggacttcacc ccccggtgcca ccccggaaga tntaagccaa 60
 gccctacttt tcgagggggca actcccacct tatgaagact atcccgggca agacaatgag 120
 gaaggagata cccatcttag cccctgctc cacctcaaag atccgtcccc ccatgaacta 180
 cccaaccaa acatagtccg ccatatcccc acttcaccca caccgtaaa agaatctgtt 240
 cccttcgtgg aagataaggg aaagattgag gtgcttgaag agagggtgag agcagtcgag 300
 ggctcggca attacccatt ctcggtatta gcggatttat gtctcgttcc caacatcgtc 360
 atccctccca agttcaaagt accggacttt gatatgtaca aagggaacgac atgtccgaag 420
 gggcatcttc tgatgtatatt atcgaaagat 450

<210> 33436
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 33436
 ctagatgaca cttgacctgc ttggcggctc gaccgactat aacccttcta tttgtaatgc 60
 tgaatgatac tactagacac tcatcaacct tccatgtcag acctgatgca ggagcatgaa 120
 cgcatagccc ataataatcc gactcccca ctaacacgct atctcccacc tcttattatt 180
 tgagcataaa ggcattcctt tatctct 207

<210> 33437
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33437

tcntcggagg gagagaacga gagagagaga gagagtggca cggtttatga atgataatac 60
 ggagagaact tgaacgatga agtgtgtctc acatgtttct catacatcaa tgtagagacc 120
 tgtgttacac gagtttctat ctattgccta tgtcactacc tagattgaga ctctcatatt 180
 catttctga gaatgtagaa ggaatatgcc gagaatatgc cctaggcatc ttatcatatc 240
 ccctttatat gccgcaagca tggatcgtgt gactctagca catgggacgc tttcttgag 299

<210> 33438

<211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33438

ttagagacct taggcatgca agctntgagt tctatggccc caatgacatc tatccnccac 60
 atggaaaaag gccaaagggtgt ttacatgaca ttcagaggat gtggcggaac attgacattg 120
 tccgcgtacg cttgacattt atggcattac cttacatggg cgcagcaatc gctttccata 180
 gtgagctagt aataacctgc tctaaggata ttcttgGCCa taccatgccc attggcatgt 240
 gtcccanatg cccccccgtg gatttcctta atcatgtagt tcgcctctct ggcattctatg 300
 catcgcatga gggatcatgtc gtcgtttcgt ttgtacacga tgggtaccact cacatagaaa 360
 ctagtatcca atctccgtaa cgtgcttttg gcattgtcgg aaatccctgg tggatattct 420
 ttgtttctga catactggct aat 443

<210> 33439
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33439

tctgtccctg agaaactggg tcccagaaga caacagggga gtaatgaatg ctgaataccc 60
 taaccttgca acatgtccct aggaagtaga cacggagatg gacaagaaaa tccgcagtat 120
 tgtgagtagc attnttgaat agacgcctct ntgtgcctga ttgctgagaa aagatgttcc 180
 aacatcttcc aaccaagtg tttctgtgcc tgatgctaag aaagatgttc caacatcctc 240
 cgctccaaat gctgaagccc tcccttcacc cagtgaagag gaatcaacag aagaagagga 300
 tcaagcctca gaggagactc ctgcaccacg ggcaccagaa cctgctccan gtgacctcat 360
 tgacctggaa gaagtcgaat ctgatgaaga accca 395

<210> 33440
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33440

agcttggtta attctgaccc aatcctttca tagtcagtca gtgagaacct gtgacgtacc 60
 taaacaggcg agctcctggc agtcaaccaa taaaagaaca aagtccacga agcaaggaga 120
 cttgtgtggt ggctggccag ctatgtatct tngtgggtat atgaaaatta gcctctagta 180
 atcgattacc attcatgggt aatcgattac aggggtttana aatggagaca ggatgttaag 240
 tagctactgg taatcgatta ccaattgtgt gtaatcgatt acatactttg gtaatcgata 300
 ccagagagga aatcccttga naaagatatt ntgactattg cgtagccgta tgggacgcat 360
 tgtatgcgta cctatgtagt tagatttctt gtgaaagagt ctaccctctn tcttttatct 420
 cttgtagatc gcgatgcagc acagttgatc 450

<210> 33441
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33441

tccatcanaa agtatatggt ctcttctca tatctgtgtc gtggagttca tctaagtttg 60
 gtggatcatc tggaatattt ttttgcaatc catattttct catgacccta tctactacat 120
 gtcattccag aattgcaaaa catatgagag atacttttgc acgaagaatc atagatacct 180
 caacattatt agttaatcac cttatttgaa gtgtctcata aggtgtccac cagaactgca 240
 agacatatat tattattgtc acatatttat aatgaataa gaaacacaaa gaaatactta 300
 atagaaataa taaaaaaatg aacttcatcc atatgtagtc tattaaatat gatgcatata 360
 agtctgattg tatgggt 377

<210> 33442
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33442

agctgtgcc a tgtttcttca taatattaac actctccac actcctatct attagtatgc 60
 tttgaatctc ttttctctca tgtataaggt atctttctgg ttgagctatg aattaattat 120
 taatctaatt gttaagcaga gtaaatgatt ctattataac gattcttgta gttgattaca 180

ttgtgtgatt gaatattttt tttggttgga tcatcactat tccgtaagga tgacaattgg 240
atctattcat ctcgtaactn tctaattctt ccataaataa attcagccaa aatatgcaat 300
tatcaaagac aataatggat tgcataatgtt gagtcaatgc tatcattgga tggtcagtga 360
accatccaac atattttctta taccattgga tcaatgggag caactccaat ggggtgtggag 420
agt 423

<210> 33443
<211> 338
<212> DNA
<213> Glycine max

<400> 33443

tgcagcatcc ataaacaaat aggagacaag atagctataa aaaccttcca agtattcata 60
atctacaaca ccatcaaacc catagcttta gaatccttgg ttgaaaaaga gaaaaaaaag 120
aagcactatt tacaatgac aaagtcaaac atgcatctag gcacatcacg tacaccatt 180
caaaacatag aaacactagt tttttaaaaa tattcacaac catgctttcc gtcacgaccg 240
caacggtatc acaattacaa ttatggctac atcggacgta ttaatctgca attttctata 300
atgtcatagg atcacgatga aatogcgacc ccgaccat 338

<210> 33444
<211> 405
<212> DNA
<213> Glycine max

<400> 33444

tagacgacct tgttgagtcg agaatacttg attatatata tggacttggt tgaatatgat 60
gtataaagag gtgaatgtga gcctcttttc ccctttgaaa gactcgttta aaataatggt 120
ttaaattac ttttaatgaa tatttgaatt ctttatattc cttatcacga tatatgtgag 180
gggtagaggg tgtcacaact atcatccaaa caatttatga ttaatttttg atattatgac 240
atacattcat aacctagtcc attgtgcac ctaaacataa tcgcatcat gaaaaataag 300
aataggattg gagagaaaga ataattttca cacagagttg aaataccaag ccttgactca 360
catatctaact tgcttgaagt ggatccttga atggataatt gttca 405

<210> 33445
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33445

agctntgata gtttgtcgtc tctcttattg tattctocca cgatatactt gagcttgaac 60
 ttggtgaatg cctttntaag tcaggtagct atggngaagt accttgtcat ttgaggatcc 120
 ttagtttacg aatctccatt cagttgtcta gtgataaatt tggagctgct ccagcactta 180
 aagtatttgg ttcctactct ttnttctaatt cttaggccga ctaagaaagt gtcgcaacat 240
 gcccttntgc aggcgagcga agcaaggctc acgggtgcgc tttccaaagg aggaaagatg 300
 cgtggagtcg ccaccaacgt ttttttgtgg gaaacgtcgg ataaaccgaa ggaaaccggt 360
 caaaatgaan attctaagtt cgggagttgt attac 395

<210> 33446
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33446

nttatctggt ggattcactt ttgatcacia ctgtaccata ttgaatatca ttagtcacca 60
 canaaggacc aatccacttt gacctcaact taccactcgt gagtccaagc ctagagttat 120
 acaataaaac tttctgtcca accacgaagt ccttcttagc gatcaaacta tcaaggaact 180
 tcttgggtctt ctctttagt aatttggat tctcataggc ttctaaacgg atctcatcta 240
 actcacttag ttggaacttc ctttcctttc cagcttgatc aatagagaag ttgcaggtct 300
 ttacagccca gtaagctttg tgctctatct ctacaggaag atgacatgcc 350

<210> 33447
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33447

ttagcttccg tgatttgtgg agagcctnta cacaatcgag aactattatg tattgactct 60

tgctatggtt taacgacaac aggacagtgt taacgtgcgc tccatgtttc tgatacgacc 120
 aacgtataag tcacaatatg aaatcatgaa tatctatata aggaaactga atagcggatc 180
 aaacattctg gacgttatat catttgact gaactatcaa tgtgttacca ggcattgagga 240
 gtctctgggc atttatgacc acgatcactt tctggaatta taatccc 287

<210> 33448
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33448

tgaacacgat catcgacact gatggaagan ctgtgtttga catgagtgga tggaaacttg 60
 cttgatgaca acaacgagta tggctgtgtg aactactttg caattgtcta tcctatggag 120
 acagcgacaa ccaatagtga gtatgatcct tatcatataa aaactcgcca tcagacttta 180
 caattgtggg gaactgtgta tattaacatg ctgctgttaa gatatgaata ctatactcg 240
 taatacaaga gaacctcctg aagctttcaa tgactaatag agtgggggtga aaggatatac 300
 agagaagatc gatggacaaa atcattatca cattctgaaa acacctatca ggttgaaaga 360
 atgcatgact tactgtctta tatctacag acatgatgct gcatgctcta acgatgaaag 420
 accggcgagg gcacatgggtg gtctactctc taatgttttn 460

<210> 33449
 <211> 276
 <212> DNA
 <213> Glycine max
 <400> 33449

tgcattcttc ttacctctt attaccaca ccatacatca aacctatcaa tgtttagata 60
 atgacatcta cagaaatgca gttgtgaaag gaaaggggcc taagctctac ttgtgatgac 120
 aagtttttcc ctagccatcg ttgtcctaata aagcaacatt ctgttctact gtgggaagaa 180
 gaggatgatc ctgcatttca tccagatcca ccatacgatg ctgacacagc tggtgacccc 240
 acattgcaag atcatcattt gtcttataat gcttta 276

<210> 33450
 <211> 404

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33450

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 ttggcctttgc accttacggg gagtattctg gcgagtcata ggtgttatgc agacatctag 120
 tcaaagaggc taataattaa tgggtgtggg tggtgataaa accccaaaca atgatgttct 180
 aggggtaaaa tggattcttg aagcatatat catgataggg cattgctata gtgcactaat 240
 taacactgct attttggccg ttattgcagc cgctctggct actattaata aacgactcca 300
 ctatcctggt attgactact aaattngatg ccctagttaa aaaagtaatt aaatggatca 360
 tacccaatat acaaaggtag agaaagacca tagagaacct aatg 404

<210> 33451
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33451

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 tatagtcaaa tgatgaatgt tcattatctt tataatctat cttctgaaat tgtaattttc 120
 atgtttcacc tacaagactg catcatttct ttcataataa ttgttgcaaa gcattgaatt 180
 tgctgacaat gtgttttcta gtgatggaat ttgttaacaa atattttattg agatttttct 240
 gcccaatttg aagccatcaa tttgttgatt atttgctata tatcataaga tgggtggtgca 300
 tagcaatntt tgggtgagcc atgtctactt agtttgatan tttgtactct gtaaaacata 360
 ctttgtttaa ttcataccat ttctatggaa attttcaatt acatgaaatc ttaatctttg 420
 agcaccaacc tcggacatga gcaccaatct a 451

<210> 33452
 <211> 397
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33452

agctttctctc tatctataaa tacgacatca aggatcgaac aacgacgacg aacacataca 60
gaanaacaag aagtcgtgaa ttaagaaaca agaaaaaaaa ttaagaaata cactgagctt 120
aagagagtcc atcctttgtg atatacaaag tacttgtgag agattaaaac ttcatgtat 180
attcactctt tgggtgttgt aaagaatctc tggttctatt tcaaaatttt gtttatgaaa 240
gtcaggagtg gcttagtgat aaaataatac ttaagtgttc ttagatttag gagatatcta 300
aggattgtgn tagtagtgac ctccacaata cttgatagtc aaaagtggta gaaaagaata 360
gtcgttgtaa tcaagtttga ttagtagaac cttttac 397

<210> 33453
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33453

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gacattccaa aaaccgcatt tcgaacacat caggggcatt acgaattcac ctaacaatga 120
tcccatggta gtcaaactgg agattttctaa ctttatagtg tgcagagtct tgattgacca 180
gaggagctcg accaatattc tctattggtc taccttcaaa aaatttgata ttccaacaag 240
tcagatcaag ccatttctctg aacaactcat aggcttcttg ngagagacaa cttacacaat 300
gggacatgtc aacttgctaa cgactntcag aaacgagaag tgttccaaga ccataatgat 360
caggtatctc ctagtcaaag cactcatttc ttataatata ttaatttggg ggggtgcactt 420
aataaattat gggtattat ttcaactccc tate 454

<210> 33454
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33454

ctattagcga cctatgaata ctacagcttaa ggatttcaaa ttccgtctga caaacaataa 60
attaggtttt attgtaagta aataacaaat ntagactatt aaacaaaatc aacgaagaaa 120
actcaaatac ctgaatatcc tcccatatca aatccttctg agcagtaggg acttcctttc 180

aggtgtcata tgtcacgtcg accttatcac gagcgacaat ccctaaatat gtttttaatt 240
tcttcttgtg gggaccgtcg gccttgccgg tagcaggatc aacgttgacc acaagtcttt 300
ctgccccagg tgggtctagt gccaatgatc atagccgtgt cgccttgcg gtccgcttca 360
acgtagatgg agacgctgat gcgtctgc 388

<210> 33455
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33455

agcttgtgca gatctccagc tccatgtttt ggggtacttc anacagctac acacatttca 60
tctgtggttg gaaccataaa tccaaaggg tcccaaacca atattagtag tgatggcgga 120
gcanaccaat catcattaaa atcaacggan agattagaag acatacaaag gaaaaaaga 180
agcaagtgat agagaaagtt atatggngcg tgcctgacaa aatagaaacg gtgaaataag 240
tgctntacag atatactcac cttgtacttc caaacacggt gaaataagtg ctttacagac 300
atactcacct tntactttta ngtagatagc tangtttgtg taattgttta agtctgagaa 360
tttgatagga atatat 376

<210> 33456
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33456

ctgtgaataa ctatagacat agacattaag tgaatagtnt aactctcttt tttaaaatnt 60
aaacataaaa atgttgaaac aaaattntgg gctattttca attcaatatt tccttcattc 120
tttgtcttat ccacccttt gtctgtttca tacttagatt gaggaggaaa caatcacttt 180
aatctatgga agtgggtggac actangttat gttgattcca gtggttacct acatctacat 240
gtgcaattct ccaattntgt tcctactaaa aaagaaaaag aaaacagcag aaaaagtgtc 300
ctgatcatgg aactgaaaa atgtttttnt atcttgcagc tgctagccga taaacaatgg 360
agatgaatct aatgccttca ctctttcggc cttttccgcg ctcacatttt tgtc 414

<210> 33457
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33457

agcttgtgaa atttggatat ccaccattaa aaacatttct agaaagatct aaataatatt 60
 tatattatga ttataaata accatgatca taaccataag cataatagtt tacaacaaaa 120
 tgctctcttt gaatcaattg aattagcaac tacacatttc ctttagattc tctatttttc 180
 tctacattct aactntcacc agtataattt caatgatggt tctatctcac ttagctactt 240
 caaagaaaat gacttcactc aatttcattc ataaagaaat tgttaaaact cactgtttgt 300
 agcttttaac aagggttggtta cccagagtac agaaggctac caaattcaag atatgcaaga 360
 ctacgataat tatatccatt tgaactcgat aaagaattca gaaatatctt ctcaaattct 420
 ttatcattga ggattcagag tacattaagt tt 452

<210> 33458
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33458

atactcagct tctgatattg aatcaagatg gattcacggg agtttgatga taacttagat 60
 gatgacaaan agcccaagag aatgagttca agattgaatc aagaacactt caagaatcaa 120
 gaggaaattt gatttcaaga ttcaagaatc aagtttcaag aatcaagaat aatcaagttg 180
 aagattcaag aatcaagaaa agactcaatc aagataagta ctaaaaagtt ttttcaaaac 240
 attgagtagc acatgaatnt tccacanaac cttttaccaa agagttttta ctctctggta 300
 atcgattacc agtttattgt aatcgattac cagtagcaaa gattgttttc aaaaagcttt 360
 caactgaatt tacaacgttc caattgattt caaattgggtg taatcgatta caatgatttg 420
 gtaatcgatt accagt 436

<210> 33459
 <211> 398
 <212> DNA

cattngctgc ccaagtttca tggctcttgca ngtgaatatc ctcataagca tcttaaggag 120
 ttccatattg tttgtttcac catgaagccc ccaaagtcc aggaagatca tatcttttta 180
 aaggcttttc ctcatctct agagggagt gcaaaagatt ggctgtatta ccttgctccc 240
 aggtccattt tcagctggga tgaccttcag aggggtgtct tggagaaatt cttccctgca 300
 tctangacca ctgccatcag aaaagacatt tcangcatca ngcaacttag tggagagaac 360
 ttgtatgagt actgngaaag attca 385

<210> 33462
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33462

taaaanaata gtcaataaac aacttaagag agaagtagaa atacttggtc tatattagtt 60
 cactcaaata nagctacgtc cagctctcct ttacataact ataanaggat ccaataatca 120
 aaactttcat tacaactagg tattctatcc taccactctt ggctataaaa gtattctcta 180
 tgtcactctt gacacaccct tagactcccc ctgaatctaa gaacacttaa gtatggttta 240
 aactgagca actntngatt ntctcaaaca aaagtttgaa tgaatacaat gattcaacaa 300
 cactcanaga gtggataaat agttaaactc aaatgcaaat aactttgctt agcaaaggat 360
 gaaaagaata agtggtgagt atatcgtcca ct 392

<210> 33463
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33463

agcttgcatn tctctcccat ggctgatatc anatctatga tggatcaaaa gctttgctat 60
 gctactcaca ttcttctctt cgattatcat atccttcatt cttacatcat gagtgaacaa 120
 caacaagatc aatcactcaa tgtacgcagt ccttattact ttcacccggg agaaaatcca 180
 gggatagctn tggtttctcc ggttcttgat tcatccaatt ataattcatg gagttgatct 240
 atgcttattg cattaagcac gaagaacaaa tatgagtttg tcgatggttc tattcgaaga 300

cctgcatcag atcatgaact tcatgtagct gggaaggggtg caataatatg gtggccttatg 360
gttggtcatt tagctctctt tcattagaaa aaatact 397

<210> 33464
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33464

ngataagtaa cctcatcctt actaaattaa gtatcttggc aacaaagata aatcacaaga 60
tcttttattt ggatgtattg ngggcaggggt gaaattgana ggtaggaatt agaaagaaca 120
agaaaaagaa aatggataca aatgaatcat aataccttat cagagaatac atcatgcaac 180
taaaacacaa gggatcaccata caaggagaaa tcataatttg cttcctttct tttcattcct 240
ttttcatgaa tatggatatct ttcattctac tagcttgaca tnaacagttt tttttttttt 300
ttttcgtgtc aaacattgct gacacgttat tattcaactt ttaatcccca caaatttttc 360
atatactgct agcttgaagc actgagtcag taccaacaat tcattagtga gttgttcaat 420
gtattaatc 429

<210> 33465
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33465

tatcttatcc ttatggcttg cctccggact tcaactccccg tgccactccg aaagatttaa 60
gccaagcccc tacttttgag gggcaactcc cgccttgatga cgactatccc gggcaagacg 120
atgaggaagg agatacccat ctccggcccc tgctccacct taatgatccg tccccacatg 180
aactacccca accgaacata gtccgccata tcccggcctc acccacaccg gtaaaagaat 240
ctgttccctt cgcggaagat aatggaaaga tagaggcgct tgaagagagg ttaagagcag 300
tcgagggcct tggcaattac ccgttctcgg atntaagcgg attatgtctc gtgcccaata 360
tcgtcattcc tccaagttc aaagtacc 388

<210> 33466

<211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33466

tccattgtta aatttcgagc gtctcgatat attatatact ctgaatcgga cctctgaggg 60
 aaaagttatg accatttgaa ttgctcaaga gctntcatag ttcaatttct agcgtctcga 120
 tatattatgc gcctgaatca aacctccgag ttaaaagcta tgaccattng aatntctcga 180
 gagcttccgt tgttcaattt cgagcgtctc tatatgtgat gcgcctaaat cggacatccg 240
 aagtaaaagt tatatccatt tgaatttctc aagagcttcc gttgtcaatt taagcgtctc 300
 tatattgatg cgcctaaatc ggacatccga gttaaaagtt atgatcattt gatattcg 358

<210> 33467
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33467

tcttcttctt ctcatcacia ccttacaaag aagacaaata gctaccaatt cattgcacct 60
 taactctatt cattcattca tattcatatt agtaaaaagt aaaaaatcca tcatccctta 120
 caataaaaag cagaagggga tacaactatc acagaactaa tctactttac ttaacaacc 180
 tcttttgaat cctaactata gaaaatcaaa atcaggacct gatataacaa aaagaaccaa 240
 atcaaaattc cacaggttgt ctaagaacac aactgcaatt agcaatcttc ctacaagctn 300
 ggcatattac ttaatacaac caacatcatg ctacatga 338

<210> 33468
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 33468

tgttgtaaac ttccttgaac atgtgttgaa atattcgttc ttactgccct gttctgaatc 60
 tgtgtgctaa gctatgttcc ttgagttttt gagtggtaaa atatatgatt atccttatat 120
 ttttcttaaa taggagtttt tttagaaaaa gttatgaata aaacaagttt tagaacattt 180

tactagataa aatttgtcac gaaaataatc tagcaggaca gttgtatgga ttagttatta 240
 ttacagtttc gacctcaaaa atgagtttat tgagcgtgaa aatgtaagggt agcatataag 300
 atttgcgaaa aaccaattct cggagcatcg agaggactaa gaataagtta tgagtggagac 360
 ttggttaact gatcgataga gttgatttgg agagtagaaa cttacatt 408

<210> 33469
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 33469

ctattacaca catactgtaa tcgattacca gaggatgttt tcagagaaca ttctcaacag 60
 tcacatctta ttatctgatt ctttaagtggc catcaaaggc ttatatatat gtgactagag 120
 acacgaatth tataagagtt tttcagaaca ataagggtcta atcctcttat aaagaaaaat 180
 cgatttatcc tcttaciaat tccttggcca aaacactggg gattcaataa ggaattatth 240
 gagtgctcaa attgggtcaat ctatctcttt taagagagat tacttctttt cttcttcttc 300
 attctgaaaa gggattaaga gaccgatggg ctcttgggtg gaaagaattc taaca 355

<210> 33470
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33470

ctaagcttgc ctctcttaca agtcctttgc tacctcgtta gccactggat cttctttgat 60
 tggaatctcc gctgcctgct taacaaatta aaagagaaat cagtacatgc attacagtat 120
 aaaagaatth tcataatgtc attcaatatc aaattataat atactaacct ctgatgctat 180
 ttataagaaa taagttgtaa tgtacactaa tagattcaga ggtagtatca taaatthata 240
 aatthttata ataattatct taciaatcat actaaccta atthtttaatt gattgattga 300
 tactgaccat gtaaagggtt ttcatgattt gatccaatca caatatgcaa tanatnggtt 360
 gtcttctatg ataactanta caaaaatcat accaataata atthtctaatt gatagaatac 420
 aagtatthtat agacacaaca tagaagctth actcaaat 458

<210> 33471
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33471

agcttggttaa tggatcaata ttcctaattgt gaaactaaat gtcttgagggt tttcatgcag 60
 gcatcttatt cgtgaatttc aagcaacccc cttagataac tcaatataaa agtactatctt 120
 gtcaccttat aaatgtgatt gtgagcagcc acaatgctca naagtcctcc tacaaggaa 180
 tcagctgctc cagttgtgtc aattgcttcc acctcaaaac cagcaaccca tcctttatag 240
 tcctgtgcaa caataaggaa catctatatg attaaacata actaaccaat nttggattag 300
 caaatagatg ggaggaaaca tttgagctcc atttntatgc atttaggatt agatatttac 360
 actaaaatag tgtttaggac tttgcccctg tgactga 397

<210> 33472
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33472

tnctgaacag attgatcagc tgtttcatcac agtctagtct gattgtctcc tttatcatca 60
 acatcactgg ccttggcatt caaattctca atttccacct gttcttcatc ttcattgact 120
 gtctccaatg agattgcttc tgtcgacaaa aatggagtgt gctggtcatt tttctcccca 180
 gaataatcct cataattggc tgcagaacct aaatggctgg aacctgata attacttctc 240
 aaacatcttc tcattcttga tgaacttttc attaaatcta gcttccagaa aacctattat 300
 ataatcaaat gtttagttaa tcaaat 326

<210> 33473
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33473

agcttcaaga attaattggcc tcacaaaact acttggtccc cgaaggcaat tcaattaata 60

cgattctggg cgacgcgccg gtggatccct ttctatgcgg atgccctcta ccacgtcctg 360
 gatataccttt a 371

<210> 33476
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 33476

agctttaatc tgtcatatct ttctctgaac tctgatactt gttgagttct ggcccagtg 60
 cccctattaa tgtacaaaaa ttagactctt cttgttcaaa gaaagtcttg gtcataata 120
 tcaatttgag ttgaggtcca cattattggt atgctactaa actattcaat agtaattcat 180
 taaccaggga aaaaaattat atattcattt atgaattcgg aattaagaag gaactgattg 240
 cactgcaaac ttacaaaggt acaagatatt tgatcaatga tgaaggcttc cacggtgcac 300
 tctacttgat cgatattggg caaaacgacc atgctgattc atttgccaaa aatctgtcat 360
 atgtgcaagt catcaagaag atcccagtag ttataactga aa 402

<210> 33477
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33477

ctctccaccc ttcatatatt gcacataata aatcacaccc taaaatttcc tccagcaccg 60
 gcgnntttga tcttatectt acgttacant actcgtagcg agacctctga tgcactgcag 120
 catgcagctt ctatcttata ttgctatata tagggggaga agtgaataac aatagggttc 180
 acgcacctta agcactatct ctatcctctt gagatagccg acgaaaatta ctctccgtga 240
 acataatcca agctcgagcg cttaccacaca cccccgcac gtttcttgag tcattaggcc 300
 aagatattaa aaagcccctc caaattcatc agctcgaatt gagatttctg cgggtataaca 360
 cagcctacct acctttaacc acagctccat aattccatct atgtacacgt ggcggccaca 420
 ttatgtatca tgttcaacta ttcccgttcc attcgttata tacccttgt gacggcctat 480
 accactattt aagctatcct cgctatacca aacaaaataa cttcacccgtc c 531

<210> 33478
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 33478

agcttatggt gtgattttctc atgtcctcta ccatagtaca atcgaactga agatgcgtct 60
 tatattaaat atttgaatct tttattcatt gtaaacctaa ttccaactga atttagattt 120
 taaaatttga tataaccccc acattcatca tatattttta cttttattaa attttaaaga 180
 tattgtaacc ttaatcaatc ttaatatgac tatgtctttt aaattataca ctatgataca 240
 tctcattaat aaagaacata gtgcttgatg tatataaatt atttgcatac ttaccttttc 300
 aattctaaaa gtgtgggtgc tttgatctat tcatatttac tataatacca tacaatattt 360
 acgattaata atcaaaacat ctatgattaa t 391

<210> 33479
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 33479

gatccaaact ccagaccagc acacataccc gctgctattg ctccgctatg aatataccat 60
 ctgtgataga gcggaagaa cctatgccat tgtccatgca ttatcgctgc cccccgcgaa 120
 gcagcagcgc acttctactc atatcgatgc ctcaactcgc ctctcctgat gatccttgaa 180
 aagaatcggc atggcaagcg aagaccaaca tctacataca caatgcacaa tgacttgctg 240
 aacatcaagc taccattgtc cataatctat cctgtgtaag gacggaaatg ctgcgatcca 300
 ttgtccttat cagttatatt acctaaccac tcaacacaac cgaagctatt tcgagacgca 360
 aaccg 365

<210> 33480
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 33480

agcttgcttc ccagctcgcc caggcgagca gggttgcttc ctccagaagc aacagccttc 60

tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgcaccc ctatTTTTac 120
 taagtacacc ccttgccctt tctgggtgatt ctttttcgta aagttacgaa aacttacgaa 180
 tttcgtaacg atacttggtc tcttttcgca atgttacga accttgccga ttacataatc 240
 atcccatctt ttgacttacc gaatgttacg gaacctcact aattgtgcaa cgatgcttcc 300
 atttgatttc cgggtgtgtca cggaacctta cggattgtgc atcaatatct tcttttgtct 360

<210> 33481
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 33481

agcttggatg gattgatggc gacccggtgt tgagaggaac gaggataaag gctacatggg 60
 agtacgtgag ctcaagtgaa tgtgggcaac tagggatggg ggatttatgt gtgatttggt 120
 gatgtggatc ctgacttgca ccattaccca atgccaccta ataccacata tgactagtac 180
 ccataatcc tacaagcttg aagtgagaaa gtgtggaaga gtcagtcttc ctacttttat 240
 tcgttggcaa cagagtggta cctgtagata tgtcgatagg gtcacgacac cttgtggacg 300
 tcacgtgggg tgctattgcc caatacaaaa cttgaccaat ctcgacccaa cccgggcata 360
 gtcagtcaat gagaacctgt gatgtacct 389

<210> 33482
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 33482

atcttctgta ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgac 60
 taaaaagtta ttgtcgatg aattagctcg gaggttcaca attcaatttc caacgcttta 120
 atatattacg ctctcactca gacatccgag caaaagttat tgtcgtttga attatctcag 180
 agcttcacaa ttcaatttcg atcgtctcga tatatt 216

<210> 33483
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 33483

agcttcggta gaaagtgatg aggtacaagc cctaattggca gagcttgaaa gagccccgggc 60
 agtctatgag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
 ggacgtccta tggccacagc tgaagccttg aacgagaaac caagaaggct cgaaaggaag 180
 aacacgacct aagcaaagtt tttaggggct ttatagggca tcaatagtga gctcaagctc 240
 cgaagatgtg aatggaatca tcacgggtca caggcctgat cttgaa 286

<210> 33484

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33484

agctttacat ggagctatat cagttcacac aatatagttc aaggaccaa aagaaataat 60
 cattcaagct caaagtggc aactagggga aaacttatca aaggattcac aagtcttaag 120
 aaagcctatc aaggtctccc ttttcacaaa attcacaatt attcaaggat atgtatgtca 180
 aaacagagaa tagaatactg ctattgaaag gatcaattct cacacaataa gagaatcaag 240
 gctcanaact cacctatctg agggtaactc taagaatagt tcacaatcat gcatgcta 300
 gtcccctccc gaagaaactc caattaccca ataaacacat tacttttggt atcaataaaa 360
 ttctaaaccc aagacatttt cacagtacta gaac 394

<210> 33485

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33485

agctttgcat gtttagtgat tctagagaaa gaaagatgag tctttgaatg gttgtgagat 60
 cctatagggtg aaggagacat cctcaccact tgtatttttg caatctttca tcttggtctt 120
 ctcttttttg taaagcgcgc ttcttggtta tggaaagcta aatcctatgt tggatcttct 180
 ctatagggtac ttgatgtaaa tatcttttta tctatttaat gatgttctgt gtgttctcta 240
 tgctatctgc ttttcattct agtatgcctc taccttgatc acatagatgc atgctttggt 300

anggtcattt cacagtggaa actggtctga ttcttatgac cttgatacga cacggctaaa 360
 ttgtttgtact atcacgagga atc 383

<210> 33486
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 33486

agctttaact taatcaattc aaaagccttt tgtgcttggt cattccaccc aaacgcaccc 60
 ttcttcaaac attcggtcac aggacttgct atagtgctaa aattctggat aaagcgctga 120
 taaaatgatg caagacaagg aaagatctca cctccgaact gttgtagggc tcggccaagt 180
 cttgatagca tccacttttg tttgatcaac ggatactcca tcttttagaca ccacatatcc 240
 aagacacacc acactttcaa ccaagaaatc acaacttttc ctctctccat agagttgttg 300
 tgctcttatg gtctcaaata tttgtttcaa atgagtgaat tgcccctcta tagatttgct 360
 atacaccaat gtgtcatcaa gataaacaac 390

<210> 33487
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 33487

cgctggtgga atcttgaaat atatgctgaa tcgaatctca tatattgtgt gccgtgtccc 60
 tcttagagat tgattcaatg aacttcacga tctattgcct gtataaggca acccttgcct 120
 ctacaacctt gacttcaggt cgtctacaag gtgcttcgag gctgatacgg ctctatgcca 180
 tctagcccga tatatatctc attctcaatg agaaccattc tgttttgcag tgaagaaatg 240
 ctgccttcaa catgcctatg gtcataatgg ccttaaacct tggaagtgtt gctgtcctgt 300
 ctgctactcc acattaagtg atggtctgac gcgttctact aaacgaaaga ttaatgcttc 360
 tctctttgac tgcaact 376

<210> 33488
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 33488

agcttgtatt atggtataca tgatacatgt cacggcttgg gttgagtcaa agataaaagg 60
gatgccctac attatttcca tgacacatat gcaaaaatga cgatttggaa attttatgca 120
aaattgggtt ctctgcacct atgctgacac ttagtgtcaa atttttatgg tcatgtgatg 180
ctaaggctca agatttattt cctctatttt agtcaaccca acgtttccaa aatatgttct 240
tttatcaatt tgagcattaa tccgagatca tttgggcgtt tgggaaatat ttcacagcat 300
ttaaccttta tgagtattac acattt 326

<210> 33489

<211> 332

<212> DNA

<213> Glycine max

<400> 33489

gagctaagcg cgccatgctg tgctaagcct attctgcaca cagaaatggt ttttgtgtct 60
tcgagcttaa tgccagcctg ctgctgctaa cgctgagta aaaccctac agcgcgctta 120
gctcacatgt tgcgctaagc gccagtcaa aatttcagtt tatttttctg tttgtgaaaa 180
taacctgtgt gaatctcttg tgtttatttc acatttcgca gatggcatcc cacaaaagga 240
aatctctctc tacacctacc caagtcagat ttgataggtc catatttaca tctctacaag 300
cttgggagac atacactgac attgtggtgc ct 332

<210> 33490

<211> 404

<212> DNA

<213> Glycine max

<400> 33490

attcttttat ttaataaaga agcttgagag atatgcaatc tctcacagaa actatgatgt 60
cacacaagtt cactcgtcaa ctcaaacaat agatcaaatg ataaagatgc aagttgaacg 120
acccggcaca gcagctgacc ttaaaattga gactaaaagt tgcagcaaag gatgcttcaa 180
aggttgatcg aaattcacgc aatcacagca aaaatatcct tgaaaaaata agaacgatga 240
tttggattat aaaggagagg aaggttacca gagagaggag aagataaatg gaaaggaggc 300
taatcgattg gagtatgtat cgtcattggt cacaacttaa taaaagaaga aatggggttg 360

ctatgtcaaa atagaaatgg tctgttagtc cattttaccc tgac

404

<210> 33491
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33491

cgaccaccgc gnacaccttg gagtttgtat tcgatgccat gactatctag ggattgagct 60
cgtcncggga tccttagagt cactgcagca tgcaatcttg ttatttatac ctctccttcc 120
tgatggatag agcatgagac caagcatgat aaagattatc ccgctccata agtttctgaa 180
catctaaact gtggcacatg atgagaatgc actgtatgac cccgatcacc ctcttagcgt 240
caaaccatga agatattcaa tcacttctgt gagcttgagg cgtttgtctt gatccataca 300
attcttgaca gccttgagct cgtaatttc tagtoctgta agagcattta tcatgcacaa 360
tatatccac catcctgtga caaatgctct gtcocgaagg ggacacaaac acaagtccaa 420
ttcctttaa g gatgttaca tgctctcaat caatgggaac attcctgatg caatcccccg 480
cttatcatta tgc 493

<210> 33492
<211> 356
<212> DNA
<213> Glycine max

<400> 33492

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agtttgtcag attgatcgtg aacgaatgca ttatccataa accggtgaga gtgtgatcct 120
tatcctcgac agaaacgact atcatcagta ctgatttgtg catgaatctc tgaagtatgg 180
actgaatgct tgatattaat aatgatgaag gccatgttcg attgtgatag gcacttaccc 240
aaaaagctaa ccatgtgctt aaatgattta tccttgaac ccaattttga gttgattgat 300
tgactgattg attggaactt gagcctatac aatcttaatt cttgcttctt tgtctt 356

<210> 33493
<211> 397
<212> DNA
<213> Glycine max

<400> 33493
 atatcagatt cttcttgcct ggcactacaa aacctctctg gtgggtcata tagatgtctt 60
 cctttaaaat cccatgccag aatgcaagtt taacatttaa ctggtccaag tgaagattct 120
 cgctactatg ctaaaataac tctgatggta gtatttttac aactggaaaag aagatctctg 180
 tgaaatcaaa tcctttgttc ttgtgaaacc ctttcaccac aagtctcacc ttgtatcttc 240
 ttctaccgtc agaatctttc tttagcctat agaccacact aatctgtaac gcgttcttcc 300
 ttcttgcaat ttagttaaag acacgtctat tcttctaaag gatgcatctc atcttcatcg 360
 tagctccact catagtgtca tccctgtgta cctactg 397

<210> 33494
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 33494
 agcttctact tatgtgacag ggcgggcttc cttcactttc ttgcctcaac cgcgagcttt 60
 gaccaccgct ctttcttccc acaatgcttc tctctatate cgcttgagtg ggtttatagc 120
 ctaaaccata cttccccgac ttcctttggc atttatcaac tagttatgcc gccgttgtct 180
 ttgcctaaac ccattccggg ttcgtaaccg ttccccaaca taacacgggc catcattact 240
 gctgcatcgg acaggcaagc ttgccagag aaggagtcca cggaggaaat gcttaccacc 300
 tcaaaagact ggaaagcggg ttctaataac tctctgagg cttccacata aggcataaag 360
 gatgggcagc tcaccaagat gtcttcttcg cctgatacga tgacca 406

<210> 33495
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 33495
 agcttgcatc ctcattatca tcttctgatt tgacttccaa cactctaact caatttctta 60
 cggtgtaaga aaacaaagac ttcagaaacg cgtgaactct ttcgcgggtt ccaagaaacc 120
 agaacatcca ccgtaactcc agaacaaaac aacaaacaat aaaaccccag aaaagacaat 180
 tcataatttc atattccgcc aaatgacctc atccatatat tatattaata cgcactcatt 240

aacaccaaaa cgaaaaataa cactacgaga actcatagaa tagaacaatg aacaaaacat 300
 taaaactaaa agtttgatgt atatgcactc tccattctgc tgccgcggtg tctccgaatt 360
 aaattaatta atttttaata tcattgtcat catagtcagg ggtggaccta t 411

<210> 33496
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33496

agcgtgagct gtgcgttaag ctctcgcaact aaccttgagc ggcgcgctaa gcgagctgtc 60
 cactttttcc attnttcttc aaggcttttt cttccacttc ttgcctcaat tttccttcaa 120
 aacacttaaa tttttccctc ttgacttcta ctgatcaaaa taacaaaaat attaatttct 180
 tcattatttc attaaaaata ataatacaagt caagaaatta tactcattta ttagtcagaa 240
 tagactatta aattaactca tatttcacag ttatcaacaa caattgatta atttaaataa 300
 aagccaccat tgagtgcata gatcaatt 328

<210> 33497
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33497

gcagcatgct agtttactcg tacagggtgcc agtcctgagt gggatggcca aagcgagaat 60
 atttacctca ccctctatga aacgatgacc actgtcccaa tcttagtggt acctaaccg 120
 aatgaaactt tcgtcgtgta ttcccatgcc tccacgatgg gtatcgaggt gtgcttatgc 180
 aaaggggaca tgtagcggcc tatgcttgtc gaccgcttaa catacatgac aggaatcatc 240
 ctacacacta tcttgagcag cagactgtat ctttgatctt atacttcgga ggcattacct 300
 ttatggatct cactgtagag cgttactgac cataacagcc tgagatattt gtntgatcta 360
 aaagaactta acattacgca cagcgaatgg ttacagttcc ctaaagatta cgactttccg 420

<210> 33498
 <211> 202

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33498

agcttatggg ttgatttggtg acctcaccat ggaagagggtc tccacggagg ccattgcctc 60
cctcatccaa tatctacaac gcggnctttt tatgtagctt attcnttttg ggactttcaa 120
ttaacacaca cagtggccac cccgacgaga tcttgcgagc cttctgggag gaaggaaacc 180
atatcttttc tggggatctt at 202

<210> 33499
<211> 306
<212> DNA
<213> Glycine max
<400> 33499

agcttggttt taatttggtg tatggtaagg tatatgtcca tgtctaggaa tgacataatt 60
ggtttacttt gatgggctaa ctcaaaaatg atgggacaag tctcgtatat caacttggat 120
aggagggatc cctcgctttt gtgcgggcca tatgattttt ttaaaaaatc tatgtgaatg 180
ctattatgtg ctcaatctta agtttgctac tatgcatatt ttaacagctt ttattgcttt 240
tcaaaaatat aaatacatat atattattat tgtcagctca tgttattaac tcaattcctt 300
tggtac 306

<210> 33500
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33500

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gaatataaaa ttcattggccc agacaaaaat cttccgttct tcttgccatt caaagcacia 120
tagataataa acccacacac cccatacctt ctcccttttt ctttttcttt attttatgtt 180
tattgtgaga gaaagaaata aagccgagcg ttgagaatcc cgtctctgtc aacttncacg 240
gtccaataat ttcgattcag ccattcctgt tccttctctt ttcttcttcc tcggctcctc 300
acttcttctc 310

<210> 33501
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33501

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 caaagtactc aaaatagatc gtgaccaaga atacctcgct tgtacaaatt tctttgagca 120
 acctggattc aaaatcaact aaccaccaat acacacctca atagaatgga gttgttgaaa 180
 ggaagaacaa aacaatcatg gacatggtga ggtgcatgct gaatgccaaa caaatgccta 240
 aggagttttg ggtggaagca attgctaccg ctgtctacat tttgagtagg tgcccaacan 300
 aaagtgtgtg tgataagaca ccagagtaag cctggaatgg aaggagacca tcaatcagac 360
 acctcagatt tgttgggtgc atatcatata cacatgtttc aaac 404

<210> 33502
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33502

ncgtgccanc ggggancngc gnattgaant ttcgtatttg atagacactg acacactaca 60
 cggcgacatn gagctccgca cgagtggatc ctctagagtg catgagcatg tcttcatgct 120
 ccaattatat aaacggcgca cttcgatgta ttagaggact gctgtgtaca aatgactaca 180
 atttctatct cagaatatgc tcacagcgac atatagagta aaacccgggtg tgtatacccg 240
 cgaccgaacc acacttaaag ccttgagctc attgtccgtg tattatacaa gagaccgggc 300
 atgccatttt gatcctttta atgtactacg cgaaccctt gcagatcctc gagcaagagg 360
 aacagttctc acgatttaca cacaatcatc ccaatcacgc tagagtgtgc gtacatacac 420
 atgatctcgt ccgaactcct gcattaaggg attgatgtcg atctttataa aagttgcaca 480
 cctctcgcct ctctctctac tgttaccccg 510

<210> 33503
 <211> 390

<212> DNA
<213> Glycine max
<400> 33503

tctatggacg tacctcgact gaaatcctct gatagccctt ttgagccatg ccacccttat 60
ccttttgtga agctcactac acccctctta gcgaataact ctgacatcta cttatcccc 120
ccgcaccccc gagctctgac acagcctggg taaaagtggg gcggttacag cctccttgga 180
taacatgtaa tgccgtgccc gctacatgat ctattccgac ccttactgca tgaataccgc 240
atategccac actgtcgccc atgcaaaatc tgatgtcgtc tctcaccggc ttctcagcat 300
gtacaactcc acgcaacgtc cccatttca ccgaaatgca ccacactgga cgaataccac 360
ctgactgaca cataatcgag agattctgcg 390

<210> 33504
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33504

agctcgcatc ctattacaca agtcttgcaa ttgattacct aaagatatct tcagaaaatt 60
atttccaaga gtcacatctg ttcaaattgg ttttacctgg ccatcaaagg tctatttata 120
tgtgactagg aacacacccc cgctgacagt ctttttaaga acacaaatgt attatttctc 180
ttataaagaa aaatcttctt atcctcttaa aaattccatg gccaatcac tngcaattca 240
ataacgaatt ttttgagtgc tcaattgctc aatctatctc tttcaagaga gaattcttct 300
cctcttcac ttaacttctaa aaagggatta agagaccgac ggtctcttat tgtatagaaa 360
tctgaa 366

<210> 33505
<211> 372
<212> DNA
<213> Glycine max

<400> 33505

agcttatgtc tttctttagt tataacgtta gtttctctta agtttgtgag tgtttatata 60
gaacgcataa attatttttt gagaaagata acgcgcatat tgtaagagt aattaaacac 120

tctgtgtagt gtgaagctcc tccaatctat catcttatct aaattgagac gtattgaaat 180
 tttgttgatt cttacaacaa ttaccataaa agtcatatct aacataatth ctgattgggt 240
 aaccgcatga gcatatacga atcatactct tgctattgggt taatcttaac ttataccaga 300
 aagtcgattc atcttatctt attcttttct tttcagtggt cgttcacgag cttatccgaa 360
 tcggactttg tc 372

<210> 33506
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33506

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 ctcgtgaccc gtgatactat acactcgacc tgtaagcatg cacttctttt atttttatac 120
 aacactgaac ctctgattcg acttgccggt catgtggccc aaaacatctt acgaaggggg 180
 gttgaatcaa tcatattgca tactattccc ttaatgaaaa tcttatttta atttccccag 240
 cactctgcac gtccctataa aaaactctta catgattgat ttcaaagaac aaactgaata 300
 tatacatcac gctatagtaa attgaccacg ttaatgtcat gaaaagtgcc tacttgtata 360
 tatactgggtc tgtcacaccc ttgtgccacc ttcatgcccc agtcaaocct tagcaagtct 420
 attagtttgc aaatccttta caatgttcga cacacaagcg caatcctact ttgtctccga 480
 tgtcttataa caagagaccc tagc 504

<210> 33507
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33507

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 tcacaccctc gataaacaccc gcgcgaggtt gatttgatgc gtggccatca cggccaatng 120
 acatggaccc gggaactgta agtcaactgc agcagcaact tcaatttatt tttcatctcg 180
 aacaacacaa caaacaggtc acctcttata tacggcccat aacaaatccg cgccagctat 240

aataacctcg cacaccgcgc tgagaaaact aatctactgt acgcgcccc gcaccccata 300
 ctttgcaaaa actataatgc aacttgcaaa agtgcaggtg ctgttcgatc tctaccaaac 360
 gcaatgtctc ccagtatatc ataccgcgaca tgtaccctca acgtcaaac cactgccatc 420
 tgtcacaact gtcaatgcac atgctccgtc acacaacata aaacgcacat catacataga 480
 ttacataatc gcacctccaa aggcagaccg acacgtcaat cacatagcca aagtgactct 540
 ccaactgcaa attcgcacga cg 562

<210> 33508
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 33508

catcgcttgc gtgtatgata tccactcgac aaggttcgaa gtagaggaga ccttcaatcc 60
 tataacgcaa cgtggcggac taaagtgggc agctaacttg aatggccatt attgtaaacc 120
 cgcacggtat tctgcacttc atatacatgt tcacacatta ttgcagtttg cggctacgtg 180
 agcctgaact actaccaata tatagatgtt gttacacgaa tgagaacatc cttaaagcat 240
 acttcggaca tgggtggcct cttgagaatg aagcggcaat tccttcttct gatgacgcat 300
 ggacactaat ccttgaccca actacaattc 330

<210> 33509
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 33509

atcttcatga tgatgaatca agttgattca agtaggtttg atgatgaata agatgatgac 60
 aaaaagccca aagaatgatt tcaagattaa gacaacaagt tcaagatcga gataaatttc 120
 aagttttatg gcaacaaatc aagaagattc atgatcaaga gaagtttgat ttcaagattc 180
 aagagaagat gaattcaaga ttttagagaa gaaatcaaga agactctcca agggaagtat 240
 tgaaaagatt tctcatataa ctaacatagc acgttattgt tgttcacaag aggtttctca 300
 caattttcta agttactaga gtttttattt tctggatttg atta 344

<210> 33510

agttatgaga cgaagatgat caaaatctat ca

392

<210> 33513
 <211> 130
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33513

agctcgggta tgtccttctg attctgtcta tacatttatg actntatggc ataagatgaa 60
 attcaaagat tggatctctt gttagtgtt attaataaat agcttatata cttgtgcttg 120
 agtgaaacag 130

<210> 33514
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33514

agcttccttt ctctactgt tctgtgtcgg gccagcaaaa ctgttgcagg tatctttgcc 60
 tctgaatgaa cgttgtgctt attattatgg cctattgctt cagtggcgta gatcccataa 120
 caattatgct tgcacccctt ttgcttccga gactaactat ttgattgtat gttctcttgt 180
 tactaaactt ttgatttttg accggaactg catgaggcat gaaagtttca aagtgggttca 240
 accacagtaa aataggatgg tcagtttatn tctgggttct atgacaagtt ttagatctgt 300
 cttgattact ggaccattgg atgagcacc ttgtggtgtt gaacaactag cttcattctt 360
 ctggatgtgg ttatgagctt tcgatgctag tggatcttat atatca 406

<210> 33515
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33515

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 tcagctcatt ttctcgatgc atagaaccat tgacgttgaa ctgagttact tgaaggcgctc 120

ccattataacc ttntaccatc cccattaaca cctctgtgta ttgtctgcct ctataaatct 180
tccccaaact acttttgcag cttcttccat ataaaatgcc actt 224

<210> 33516
<211> 159
<212> DNA
<213> Glycine max

<400> 33516
aattctgatc ctatctggat gtccaaaaat tgacaagttg gaacaacata tagtgcagat 60
ggaatccttg acatctataa ttgctgacaa ccccgccgtc atacaattgc ccctccaata 120
cgaagcttac gaagcattgg atatatatcc ctttgtgga 159

<210> 33517
<211> 321
<212> DNA
<213> Glycine max

<400> 33517
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tttctcaagg tccacttgga ccccatctct accaactaca aaccctaaga acactatctt 120
atctacaccc acagtacaca ctctatattt gcatacaggg tgttcttcct aatgactgaa 180
agaacttgcc tgagatgtcc taagtgatca tctaagctgc tattgtacac taaaatatca 240
tcaaaatata caactacaaa tctacctatg aaatcactta tgacatgatg cataaagctc 300
atacatgagc tctgtgcatt a 321

<210> 33518
<211> 376
<212> DNA
<213> Glycine max

<400> 33518
attttggatt atatatgttt gcggctataa acagaagagg gtgatataatt ggtggataaa 60
gcaccctgca ccctagaatt tgggcacttt tgtctatctg atttaagttc tagatcctct 120
tctgttatgc ccctcatta tctggagaag atcatctgga atggatttac atagcgagtc 180
agcaatcatc cgtgcactat ttatgctagc atgaagagtt atgaactgct ctactgcacg 240

ctgtgggtta tggtccttac cataattact tagctctgca tatacactgc caaacacatc 300
atataatacg attgacaaaac actcttttat gctgtatcgc acgacggtga cacattataa 360
tgcctatcca tccata 376

<210> 33519
<211> 265
<212> DNA
<213> Glycine max

<400> 33519

ttctatcggt tatatgcaaa ttgtacatga cactaattaa ggatgacgag tgatgacaac 60
ggttgtgaaa aaatatataa attacactat aaagatatct atgcaaaacc atcacaactc 120
agacgtgtaa ctctacccc aaacttacia atacctaat ccaaactcac tatagatttc 180
tataatcttc tattgcttga tgaagccaag tgctaaattc aggattgatg ctgcgtaatt 240
tctgcttcag aagctctccc tgtga 265

<210> 33520
<211> 221
<212> DNA
<213> Glycine max

<400> 33520

atctgcggt tgcaatctta atttgtatgt caggcaatag tcattcttct gagaacaagt 60
gtatttgctg attgcaatgt ttggtttgtt aacttaatcg tgcatgatgg ttgtggtgat 120
tttttgctgg tggaattttc cccattaatt taccatgagt tctaactctt tggaacaaag 180
ttacagaagc atgtgctgtg tgaaatgtac catttgcatt t 221

<210> 33521
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33521

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atatcatcat ccttggtgtaag ttcaatacca tcttcaatat gcatgagata tctcgcaaac 120
ttatctcccg caatgatcgc tgtttctcgc aataacgatc tttttgatag ctcatgaacg 180

agacttaaca atacatgcac aaatcatttg cgtccttacg catttcttga caataacatg 240
 tactcgacaa aaattccctt ctaataccat cactgtccct ccacatggaa catcacaatc 300
 taaaatatcc tttatgaact atccactgct cacaagcata tctatatgtc atgagtgtgc 360
 catccc 366

<210> 33522
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33522

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 aacttggggg cctgtcttca tgatctttaa gtttaatgtg ctaagttgtt tcaagtttgg 120
 tctttggcaa gtgtcacaaa gatattcatg acccgtaatt aataggaaag attcaacacc 180
 tataggatat gaagaaactt ttagcgtatt gctaaattgc tgatttctta atatgatgaa 240
 agactaactc aatgatgtct actccaatat caatgatata gagtcttggg aaattgaggg 300
 tttttgctta ctaaaattca aatactgaaa gtnttatttc cttaatatct tggttctata 360
 aagattgcaa taaacaagaa gaacagagac actcatcttc 400

<210> 33523
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33523

agcttgcttt atatgtttat ntataggatg gatctttgag cttcaataat gtccctcaat 60
 catgattttc atccatggag gtgccgctga tgattaagga gaagaggtga taggaggcgt 120
 catccactag agaatacccc tggcacgaga agcttcacac caagaaagtg tcttggatta 180
 aaagcttaca gaggaagcga atcacacaga gaggcggggc gtgggaattg aacgaaatca 240
 tggagacaag atgaactctg aagtgtgtct cacatgttct acattcatct acattatgac 300
 aagtgtaca catgtttc 318

<210> 33524
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 33524

ttttgttctg ttcaaacctg caaggcgcgga ccaaggtgaa tattgctacg cacatgccct 60
 ggtctcgaca tagattcata gtgtgcatat aggtttctta actcatgac atccagtatc 120
 tgatttgccg cccaccccat gtagtttcca gagtaagagt aactacaata gccatcacag 180
 caagctttat aactgggttg aacaaagttc tacacgggaa tcgtgcatgc ctcacccagg 240
 ccggctgcag gctggcttat ccaccaagaa ctgcgattgt ccatggacct aaaggttcat 300
 ctttgtgagg tctcgaccga atatcgttgg ggacagtcac accgtacaca aacatcatgt 360
 gcgctatggg agactgactg gaatggaatg aatgacaata cg 402

<210> 33525
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33525

ggctctactc ttttcagaac ttgcatcatc gtagcagttg ccaacacaga aggtagataa 60
 ctcatgaacc tcgaatctgc aatgttggaa aacaaaacga aaagcaaatt aaaatctaaa 120
 aacaatatta tgaataagaa aactgacttg catgaaagat gtaacaaaaa tacctccaat 180
 gagggagaga agaacgcctt cagacttagt gaggaactcc cagaagagat gatccttcaa 240
 tccaagtctt cttgtgaagt aatcaagaaa agagagagag gttggagggt tcatcttcca 300
 tccaagagtg ganaggatca aaatctccat ctttntaatc gtcttgggctt cgaacaagta 360
 tctactcttc ttcacctaca caattc 386

<210> 33526
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33526

agtctttatt tcagtggcac cagcaccagt gctccggtcg ttaccaccaa tgactcgctg 60

gccaacaaaa acctgtccaa agagaaaaag tatttatatg ggatccaagt taaaagggtat 120
tcaatccaaa ccgaacggaa tatagtatnt ttatgggatc caagttaaaa ggcattagat 180
gttaatttgt aattcttatt tcttagttgt tataggttga tcaaaaataa atttttatat 240
tatttcttag gtggtatagt tgtaatccaa gttatactat ttttatatta ttccattctt 300
taagaattat gaagacagac aaataatatt tatctatctt tcacaaaaaa aaaacaaaac 360
actgggttat cacatctgac ataatggcca ctacaatggt ct 402

<210> 33527
<211> 406
<212> DNA
<213> Glycine max

<400> 33527

agtcttcttg ttatattgta tgcctctga caaatactgt gctaacgaaa tggaataata 60
agacaagtggt gttacttaca taatcatcga cagtatatgc atttatcaag ccttggtggc 120
ggatgcatta aatacagttt gttagcaatc gctcttctac ttaatttaga ttcttaatca 180
atgtcttaaa atactagtta gcattttact tatcttaagc tatagtatat agcctcgtcc 240
tcattaataa ttggcagtag taaagcagta aatttacctg gagagtataa tggtgaaagg 300
aaggggagaaa acgcactctg cagtactcat tatacattca tgtgaacaaa attaatggaa 360
tggttgatat atatacagca tgtttcaact tcaatgcaaa taaccc 406

<210> 33528
<211> 405
<212> DNA
<213> Glycine max

<400> 33528

cttcttgcaa ttcttogggt ccttgaagat atattaacac tttctttgca gctgtccagt 60
gctctattcc tggattactt tgatatctct caagcattcc aaccacaaaa gcaatggttag 120
gtcttgtaga caccgcgcac acataaagct tccttaatat aatgatattg aatgttcttc 180
atctgctccc tttcaagctc atttttaaga cattgattca tattgaatct atcacctctc 240
acaatagggtg ccatgtttgc tgaacaatct ttaatccgat atctttctag aactttatca 300
atataggcct cttgagacaa gccaagaatc ccttgagatc ggtttctatg gatctctatg 360

ccaatgacat atgctgcctc tcccatatca ttcatatcaa aattc

405

<210> 33529
<211> 334
<212> DNA
<213> Glycine max

<400> 33529

ttcttgccgt catttatgag ggtactttgt atcaatcaat gattatataa catttactac 60
aggtgactat actttgaact tatcttaatt tattgatgct attatgaaaa ttatataagc 120
aactagatgt cccgactagt aacaagagaa tatgcaactt gcaggggact taatattgaa 180
ttttggtgtc attatgtacc cctgttgttt tccaccattg gattatgcat tgagatttac 240
gtaatactat tttatcttct attttgaata ttgcgatttc tccttggtat ttatctgggt 300
ttcctaccaa ttttcttact tgttcatcta ttat 334

<210> 33530
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33530

agcttgtttc aaaggtgaat gtgttagtat ttttatatgc agaagcaaac caagaacctt 60
gtgtgccatc gtatgttgag aatcatagtg aagaaaattt agcaccaaaa cgatctctca 120
gcaaactatt gaaagatcaa actttaggaa caaaatgctt ttgtggatat aagaaggcta 180
aaacgtttac atgatccaag gtctgctata gattcacagc agcaagttga aacctccagt 240
ctctacctaa tgtaagtcct gctctgtttc agttctcaat ttgtcctttc aatgactatt 300
gttgatgcta tcatactcac tttcctgttt cctcatantt aatgggtaac attcggcata 360
ttatgaataa ctttctttta tccttc 386

<210> 33531
<211> 235
<212> DNA
<213> Glycine max

<400> 33531

agtccttcaat ctttaatatata aatctttcacg acgcgagctc cacaatcggt aagggttagt 60
gctttctggg gtgatgtaaa gcgttaaagg tttcacctat ggccttatgg ggtatactgt 120
ctgggtcttcg aaccctctctc tcacgtcaaa gagccgacaa aatattaatt aaaatacata 180
gacgatctta tgcgacacca tgccattagt ttatttgaac tttacattct atgac 235

<210> 33532
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33532

agctttggat tactcagttc atcagaatgc tagacgaaat atagatggga atagaggtaa 60
caatggccgt aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
tcccttcaaa ggtagaagtg atccagatgc ctacctgnac tgggaaatga agactgagca 180
cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
ctccgactat gcccttgttt ggtggcataa ataccanaga gaaatgttga gagaggaacn 300
gcgagaggta gatacatgga ctg 323

<210> 33533
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33533

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atcgagacac tcgtaattga aaacggaagt tctgagaaaa atcaaacgac aataagtttt 120
aactcggatg tcctattgag ccctgttata tatcgagacg ctagtgattg aaaacggaag 180
ctttgacaaa aatcaaacga taataatttt taactcggat gtccgattga gtcccgtaat 240
atatcgagac gtcataaatt gaaaactgaa gctcttagca aattcaaagc actataaatt 300
ctgactcgga tgtccgactg tgtcccgtag gatatagaga tgctcgtaat tgacaacaga 360
aactctgaga aacatcaaac gacaataact tttaacttgg atgtccgatt gacccttaaa 420
tatatcga 428

<210> 33534
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33534

agcttgcttc tacaatcttt ctctttttaa tgatgacaaa cctaaaatca agaaacacat 60
 acaaactcta tcttctaata gatcactcac ttaattcccc ccctttgttt ttgagttta 120
 aacttcactt gaagttaagt tatttaatta tatgagttct tgattcagtc ccaatttttt 180
 ctcccctttg gcatcaacaa aaagccaaag tgcgtataga gacattaaat catacacaaa 240
 ctcataatca tncaagcatt ttaatccata caacaagcaa ggaggacaat aattcataca 300
 taaactaagc aggggaagata taattcatcc attaaactata ataaaatgtc agaataatag 360
 aaagtcaccc cagataacca nnattaaaca acctaattag aaagtaatat actaataagt 420
 gtatcaaata agtca 435

<210> 33535
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33535

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 ttctcttgag ctaatgtcta atgctcatgg tcgttgaggc atttaatgct tacattaaat 120
 gcatgtatct tttcatgttg aaacaccatt ctgggtgact gttgtgttga gcactatagt 180
 aaaaaccact tcctttgact aaaggacaat atcacaagaa ggggtcttga attgcgattc 240
 tatactcttg tttttttaa tccttttcac actcaaacca agttttcctc cgaaagaaaa 300
 actttgtaaa atagataaca aattttcaaa aacacaatca aatgatgaaa gatgatntg 360
 ccaagcccaa gatatnttca aatgtataaa tgagaattca aaccctaggt caattaaagc 420

<210> 33536
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 33536

agcttcatgt aatgtgctat aagttggggc actggaggga agaggtgttg ggcttggtct 60
tcgagcccag tggcctacca cgtggcatgt ttgtagggtg gtttgtgaaa gctagtaagg 120
tggtcccaag aggatccctt gtctgagtat gagaaaggaa attctacgaa agggagttcg 180
ccatggaatt gtctgtcata atgacaaaaga ggtgaatgga atgagaggag gaaaaaatgt 240
aagaggtgta tgaaatgttt caagacatgt attctgtaga gataggggga gcaatatgaa 300
cactaagctt tggagcttga agtagtatta tctatctaca tgcctaactc tatgcgtggt 360
attcgtatag attggtgcat ctcattctct atcttctcat atgcatatca tgcattatca 420
tgtacacgca ggaacatt 438

<210> 33537

<211> 461

<212> DNA

<213> Glycine max

<400> 33537

tggcttctct tgcttagtgc attctattct attgtatcgc tcgcttagtg ggctcttctc 60
gcttaacgca ttctattcag gtatgcacgc ttagcaccta ttgcgcgctc aacacacgtg 120
acaactctcg agcttaacgc ctctcttagc gcttgtgcct tcttgaccgc cttagtgcatt 180
gttgctgtgt aagcgcgagc tctgggctgg gcctttctga tttcttcttt ttcttctttg 240
ctatttctca ctttttgctt ttagcacctc cagtttttat atctgcagcc aaaattaaac 300
acaacatcaa ttctttaata tttaagcgca cataactact acataattat cttaaagaca 360
attttgcttg attttctact atcaaagtac aattatttag cacgtatcac tatatgatgg 420
atctaggaac tcatcggtaa gattaccaa agctgatgtt g 461

<210> 33538

<211> 219

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33538

gcatgcgttt nctatacact accaagccca gaggcgttaa cggcgccggt ggccatgcta 60
actccgctgc cggcgtagct ggtgacgttg agttggagcc ttggggagtc atcgacggct 120

tgagtctgaa cggggttggt gagactgttg aagttggaga tggatagatg aaagaataga 180
gagcgtggaa ctgaagaagc tccactcttt gtctatcgt 219

<210> 33539
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33539

cgtgtncgtc tccataacctg aaacaagaca tagaggaatg agtcatgntt tctacgcacc 60
cctccgagaa agagatatga acagcaatca acgggagttc gtgtgagcag ttgataaaaa 120
ctaacctaga atatattggt ctgccagaat cactcagaac aaaaaaatgc ttcttccttt 180
ctctccatga aatggaagca tcattctgca ctttatttat taatgaaaca gaatatgata 240
ttacactata tatccagtgt catgccctct tattgcttga atctaatagc ataaacctct 300
gtatgagaac aaatgcagct cttaactgga atttcaaata tctcatcata gctataacaa 360
cag 363

<210> 33540
<211> 346
<212> DNA
<213> Glycine max

<400> 33540

agcttctagt ctcaattttg agcgtctcga tatattaccc gattcaatcg gacatccgag 60
taaaaagtta ttgtcttttg aatctcttac aagcttccgt tttcaatttg caacgtctcg 120
aatatattac aggactcaac ttgacatccg tgaataaagt gattgtcaat gcaattgtct 180
cagaacttcg gatctaaatt gtgagcgtct cgatatattg catgactcat tcagacatcc 240
gagtgaaaag ttattgtcat ttgaatttga tacgagctta cgttatcaat ttggagcatc 300
tctcgataaa ttacgacact ctgggtcgga tccgagtaaa aagtca 346

<210> 33541
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33541

tgaaggcaaa ctggatgcgt tggccaactt ggtaacctat ctggccttga atcacaaatc 60
tgtacctgtc gcaagggttt gaggtttgtg ctctctgtct gaccaccata cagacctttg 120
cccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgcag cacatatata 180
caatagacct gctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
cagcaacaca tacaacctg gatggaggaa ttacctaac ctcatatggt ccagccctca 300
gcaacaacaa caacagcctg ctcttctctt ccaaaatgct tctggcccaa gcagaccata 360
cattcctcca ccaatccaac aacagcaaca accccagata cagccaacaa gtgagggccc 420
tccacaacct tccctcgaag aacttgtgag gcanatgact atg 463

<210> 33542
<211> 395
<212> DNA
<213> Glycine max

<400> 33542
tatctttgtt ttaagaaaa agtcagtttc tcaactcaaa cagaaagtgt cagaacattt 60
agcctgaaga cttctagttt ctgagtaacg agagcatcat gcagaaaata ataacagaga 120
aacttcgggt gatgggtgct tagaggatag tcagaataga tgcattgctt caaaattgtg 180
tcaatccagc agtcatattg aagtctttct cgatgaatct aatattcctt ctaatgatac 240
tttgatgcct caagatacat ttggaggggtg aaaatcttag caactacagg ttgagtcaat 300
tccacatgtt gcacttccag atggaatcca gcataagatt tctggaagta aactctggtc 360
ttaacataaa cagatctaaa ctcaaagatc aaaat 395

<210> 33543
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33543

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acaacttccg tttgcccatc gggtttgtggg tgacaagtgg ttgaaaataa caatttagtg 120

cccaacttgc tccacaaagt cctccaaaaa tggcttaaga acttagagtc cctatcacta 180
acaatgctcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcagccaca 240
tgggaagcat catcaacttt cttacatgga ataaaatgag ccattntaga aaacctatca 300
acaaccacaa aaatggaatc tctaccattg cttgtttttg gcagcccaa aacaaaatcc 360
atggataaat caatccaagg atacttcgga attggcaatg gagtatacaa tccatgaggc 420
tntaccttag actttgcctt tntacatata atgcaatggt cacaaaa 467

<210> 33544
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33544

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tgtcggagga aggagagtcg tttctttccg aactaaagca tttgcatcaa ttgcaagtgg 120
tggaacttaag cattccatgt gcttgaattt ttccaaagga attgttcttt gacaacttaa 180
gtgattacaa gattgagatt gngaacttca aaactctttc agctggagat ttcagaatgc 240
ctagtaagta tgaaaatttt aaatctttgg cattggagct gaaggatgac actgacaata 300
ttcactctca gacaggaata aagttgttgt ttaaaacagt tgaaaatttt gtgtgggaga 360
gctgaatggt gtcaagatgt attaatgagt cgaaattgat ggacttcaca tttgaacact 420
tatcatataa caacctacat 440

<210> 33545
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33545

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aacatatnt actaatgagt gtcttgaagt gtaactatga ggtgaaatcc tacatccgat 120
agaaatgaaa aaattaaata tcatataaat gaagaaaaaa aaaattataa ttaagggttt 180
gaattaaagt gtgatttaag tatacttatg tgattactct aaactcatta gtataaattt 240

caccgatgtt taccgcctca atttcataac agagtcaata tgccataatt gggatatgatg 300
catcagctca tatgatttag accaagaaga ctttctgttt actacaaatt aacttgcatt 360
tgcagacaga aatggacca aaggaataat cagcaaagtt gggatatcta tattatagtt 420
ggatgggatt acatact 437

<210> 33546
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33546

tgtctttctt tacctataaa tacgacaaca agaattgaag aatgatgaca aacaagggca 60
gaaaaaaga gtagtgaatc aagaaatgag agaaaagaaa agtattagtt gagaaataca 120
ctaagcttaa gagagttcat tctttataat acacaaagta cttgtgagac attataactt 180
tattgtatat tcaactcattg agtattgtaa agaatctttg attctacatc aaacttttgt 240
ttgtgaaatt caagagtgc ttagtgaaaa aacaatacgt aggtgttctt agattcaagt 300
ggagtctaca gggtgtgcca ataatgacca taagaatact cataagccaa aagtgataga 360
aaagaaatca agtctgatta gcggaatcct ttactagttg gtanagaaga actagacgta 420
actcaggttg agtgaaccag tat 443

<210> 33547
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33547

tctcggtca tgctgcgaac gcctctagtt caacactctt gcagcctaag gcacccaccc 60
agagggaagc tccccaaagt ccaactccga acgcgactcg accggccggt aattccaaca 120
caacaaggaa cttccctccg aggcggttgc cggaattcac cccgctccca atgacgtacg 180
aagatcttct accatccctc atcgccaatc atttggccgt ggtaactccc ggaaggggtcc 240
tcgaaccccc ttcccgaag tggatgacc ctaatgcaac ttgcaagtac catgggggtg 300
ccccgngca ttccatcgaa caatgttttg cccttaaata caacgtccaa catctaattg 360

atgccggatg gctgactctn caagaggatc ggcccaatgt aaggaccaac ccgctcgcaa 420
tcat 424

<210> 33548
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33548

agcttggttt gnttccgcag actcaacaga agtcagttgg gatagagatc agactatgtg 60
catgaatctt acaccagtg gggtattgat aggaccaaga gctttggcct accctaccgc 120
ttacctagat acctatcgtc caccatccca ccatcatcct tgcctatccc ctttgatact 180
aaggaagagt ttcataaaca attaaccaaa gaaaggcaag aaaaagacac ttggaagagg 240
agatgccagg agctcgagca agagaatgag actctgaagg ggaagatagc ccaacagagc 300
cggtgagttt ttatccagaa ccagaggatg attgagaagg acgacttgct tcgtccatag 360
acgctttgtc caccgagatg c 381

<210> 33549
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33549

actcaagctt gaggttgtga aaagaataga gtccatcatc accaacttct tctttagtaa 60
gaattctatt ggtctcctga gatttcacaa gatacacatg aggggtgaaac agagttgtct 120
tacgcaaatt gactcacact taactgattt ttcgaaattg aaggaacatg taacaactta 180
tgaagcttaa aggttatggc actgtcatta cgagatacaa aaattgacga atcggagttg 240
gagatactta aacctttacc attgcctatg aaaatctgct angtctatca aaatgagtaa 300
attgtatatt attttgagag tcaccagtca catgaaaact ggctctagaa tctagtatcc 360
aagtggagcc agatgcatca ttaccatgac aggaggagtt tgtgagcatg gcattgggct 420
gactgggact acgaacagtg gacttagcat tggc 454

<210> 33550

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33550

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 taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac aaagcaagga 120
 ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggattgtg gtctctggta 180
 atcgattacc aaaggtgagt aatcgattac aaggcttaaa attgaggaca ggaggctaag 240
 atgggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg anaacgaagt 300
 caggaaactt agggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagag 360
 gaatgggtca ctggtaatcg attaccacgc atgtgtaatc gattacacag tgtattattg 420
 catatttcat g 431

<210> 33551
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33551

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 tgagaagaaa actcactcga ccaggagctt gtggaaaatg cccaaagaca attgtgataa 120
 tagggtagat ctgatgtag tcaatcatgc agactcctta ggattcctta tgaatccaaa 180
 ggtggccttt cttgtacaaa ttctttcggg atcaacccat gacatcaagt tttagcaaga 240
 tcaactgacc catggcatga ctctatgata ttaaatcacg aaagtttcac ttgggtcacat 300
 accaaagtgt gacaatccat tgccatcctt caatgggggtg catgatcgat cccaaagcca 360
 tatattttct tgttgtgcag aataatcaaa gctnttaaag gacaagggat gaaccttagg 420
 atctaaatct caggtgatta attaaatggt gaatggctcc acta 464

<210> 33552
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33552

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aactaaatca tgagtggtaa tattggggag agacattaaa acctaaagaa gagtaacaaa 120
atacatcact caataactaa agctttagaa attagcatcc tcttctttgc aagagaattc 180
caaatggcaa atgcagtcga gcgacaagaa aaaataaagt agccaacaga acaagagaca 240
tactaacctg cctgggagct gcgtgtctat cac 273

<210> 33553
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33553

acatactgtg taatattatt agtaagaaac atagccttct atatttgata actaaacctt 60
cttctccttt tgcattcgta tacggcatga aatatgttac tcctggaaag tccccacctt 120
ctacttcggc caatccacca tacacaacat caccacccc aaaatcgact tttccaaaat 180
gataatatat atctcaagtc tgacacaaca tataaacacct tacagttgcg aataagcatc 240
gacctaata caccattaga tctgccacag aatgcatata ctctccgtc acctaactnt 300
tcactaggtt gattccactg catacccaaa tggatttgca caaagctatc ctgcagcggg 360
gactgctgca cggatggaa cagcattgcc gtaataacct acgggtaact gatgatagaa 420
ccgtgcacgt gcatcgacta tgca 444

<210> 33554
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33554

agcttgagtg ttattctggt gaggttgagc taagcgcgcc atgctgcgct aagcctattc 60
tgcaaaaaga aatgtttttt gtgtcttcga gcttaatgcc agcctgctgc gcttagcgcc 120
ttgagtaaatt ttcataaggc gccctaagct cagcatgttg cgctaagcgc ccagtcaaaa 180
tttcagtttt attnttctgt ttgtgaaaat aaccttgtgt aatctcttgt gtttatttta 240

cattntgcag atggcatcca agaaaagaaa atctccttct acacctaccc nnagccagat 300
 tgataggtcc agaatcacat ccctagaggc ttgngagaga tacactgaca ttgtggtgcc 360
 tcgaaagcta ctaccagaga ggaatgtggt agtttattac ac 402

<210> 33555
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33555

cgatactata gacaactcaa gctttagga ttatggggta cctatcccag tggtagtagg 60
 tggcgggtctg gctatggtgc acaacaagtt ctccacatcc acaatgcgcg cataaaccga 120
 ccatcccctg tggcccacct ccaactgagc tcacgtactc ccatgtagcc catatccccg 180
 tttctctcaa caccggatcc ccatcaatcc tccaagctt ccacaacatc caagcaaaac 240
 aacattcaaa tagaacaagc tatcacagcc aagcaaaaca gagcaaaggc agacaactct 300
 gccaaaacgc caaccaaadc acagcttttc tcaactaaag accccagtaa caattccctc 360
 gttccggttc atcaaccgtt ggatcgactc gaaaanttta ctagaagtct ctagtactta 420
 agcctacatt gtgaccgttg ggatctacta gcaaacatcc agaactcatt ctgtactgct 480
 cttcccacag ccaaccacac a 501,

<210> 33556
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33556

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 acatcaaac catcgaaatg aacattntta cgaactttca atagtgtca tggagggaaa 120
 atgaacacgg aaaacaagag ggaaaagata agggttcctt atcattgaac tagccctcaa 180
 actcaactaa agcacaacta ccaagtcctt tgagtagcgg aattcaaggt ctcaagctct 240
 ctaatgaaag gttatcttgg agagagagaa gaaagtgaat tgatagtatt ctaagtgggtg 300
 gttcagactn tgaactcttt actttgnagt tatgactctc cctatttctt ctaatcacac 360

ctcttcactt gctaaactca acccgccccca tccctataact caagaaccac tcatctcgat 420
tgaacaacca gcctcatcgc tacggatcat actctaate 459

<210> 33557
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33557

actagctgga tgggttggtt atttgacttc ttgtcgcttt tatacataaa cagccccacc 60
atcccaattn tgcaaaaatc atattcatat atcattgggg catttcaccg agcactttgt 120
gggcgacgt ttggacacaa attgcaagag aatagggaca atgtggcatg cctcattgct 180
tcagaatata acctaggctt aaggcctttt cattcaaate ctcaattcaa gaaaacaagc 240
accaaagcaa accaaaactg cctcacaat ataagcatgt tctcacaatt taaggcacca 300
aaagatgaag aaaacacatc aatgggaagc aaaaacatca aggatggaat acttacttgt 360
tggagtgaat tgaaacacca aaaacgaaag caaacgcga tcaanaatgg cttangggag 420
caagaaaccg caagccttcg tgtctttatc 450

<210> 33558
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33558

agcttgtctg tctgggtgga tcaaataaac ctgagaattc ccagtttttag tggaccccaa 60
tatatactac tctagaaaag agacaaaata gctttttaca cttaatttaa ccagaaattt 120
gaaaaaactt ttgaataaaa ggcattgacta attactgttt actaaatgta cagtaaata 180
cgtttttcat ctctcanaat atgacgggtt tttacttctt ttttgctgga taaacgggtt 240
tttactttta tccctatata aattaaattc aatntcagtt tttatatntg acaaaaaaat 300
gatatgaatt tatacgtcca tcaggaactg aaaagaaact aaaaactaat gtattttcaa 360
gaatgataat aattttcatt tatatataat atagttacaa ttcatttgaa atgatgatat 420
acttaacttt atccttat 438

<210> 33559
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33559

ntataagcgc gggctctgcgg gacaaaggct aagtggctgc gatgttctat gatgatgttc 60
 cgagtacatt ggatttggtg cgaccatgct ctcttgattc ttagctggga aattggcgag 120
 tggaggaacg ccccgacatt tacgcaacga gcataatgta aacctttacg gttttaaaaa 180
 actttatagt taggcctagg ctttagagtt tcttttggtt aggctttgtg tcttttggtc 240
 taaatttata atacaaggat ctttcttcat ctgttcttac gtctctaccc attctcatcc 300
 atttcatggt tactttctta tttctgaaac ggcagatctg atgacgagtc ccccgagggt 360
 actaatacct gngacctgcc tatcaacttc gagcaagaaa cgaatcacac agaagatgaa 420
 cggaatgagg atgtgagact tccnccgaa ttagaaagga tagtcg 466

<210> 33560
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33560

agcttgagct tcctagctta agcaccatag gcattcacta gtgcaatgtg atcttttagct 60
 tgttggtgta tcacatccat tcgggtccta agagggtcag atttcaatgc caaaaaggtt 120
 ctatgcacgt atgcattacc agtcgtggga agatcctgtt aacaaaaaac acctaaacaa 180
 ttacatggtg ttcatccaat tactcaaate accaagtggc aaagtttaaa ataacagttc 240
 gcaacagcga tttcagcctc aacatcaagg ttttggtgact atgtaagcaa tttcccgcaa 300
 tgtcaaggat cgcgacgaaa ccgcaatcta aaatcttgcc atgtgggtta tgcttttaaac 360
 tanatctaca aaaat 375

<210> 33561
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 33561

cttgagacaa ggatcctcca aaagcaccac actatctgtt ttcacataaa actaagagag 60
aggattctag gcttgcagaa gtgtcactgc ctccgcaaac cagtaccctc cctcttcagt 120
tcacacaacc ctgtaataaa gatgagtatt gtttctcttg cttacctgca aattacatca 180
aaacagcatt aaagaagaac aataataaca aactgaaaa acatgtgaag ttcgctgaag 240
ttatcattca tgtcatgcca ttatttgagc aattaaaaca aataagcttt aatcagctag 300
acaagaaatt atgtgctgt gtgtgtatta tttagaccaa ttcctattat cctatagtat 360
taactattaa atgacaacaa acatcttggg gccacataaa tattctatat tctacaataa 420
tgattgatca tttgtcttga cttagtgcac atgaatatct ggtcaatgca gctaattg 477

<210> 33562

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33562

agcttccact ttatccaagc aatttatctt ccaaataatca tgaactaccc taaaccaaga 60
aaacagggca gaggcagaaa actctgcccc aaacacattc aaataaccaca gctntcccta 120
ctcaaatacc ccagtaacat tctctntggt ctgattcgtt aaccattgga tgcacttgaa 180
aantttacta gaggttccta gtacataagt ctacatcttg accgttggga tctactagaa 240
aatgtccaga acccaatatg tactaccttt ccataacca acaatgcaca agcatnttct 300
gcacatgttg aaaagttctg ctgcacaatt caacaacatt cttctgcata atanggcaga 360
attcgaaatc catcttgccc acatccaatt ntgctcanat nggatcctac aagtcttaca 420
tcatgtataa atcatatata aat 443

<210> 33563

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33563

aactcaagct tgagtgtttg ctatanaaaa caaactaaaa ctcgagcttt aagttttcat 60

cattcgctat cagctnttca aagtacagaa ggtcacacat gttgcctaaa acatcccact 120
 tatctaggca tggcaacggg gcccgcccc gacccgcccc gattttgacg gngaaaatcc 180
 gagttgatcg gggtcagggt cggggtcggg tttttccga tagccaaatt cgggttcggc 240
 gtccgggatg ggattcttaa tacctgcccc gaatccgtcc ccaaaaccgt cccgctaata 300
 attaatatat ataacacatt gaaatatgac actattacat tgaatcttat gttagtgtat 360
 aattgaattt tatgtcttat ctaaaactat atttcttatt ctatgaaaaa ttatatttct 420
 ttaat 425

<210> 33564
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 33564
 atcttgatat atgaagtgtc caagggtgaa acttcctgct tttattgttg accacagagt 60
 ggtacctgga gatatgtcgc ggggggtcaag agaccttggt gacgtcagggt ggggtgctat 120
 tgcccaaaac caagcttgac caattccgac ccaacccggg catagtctgt catggagaac 180
 ctgtgatgta cctaagcagg cgagctcctg gcagtcaaca gataaaagga acaaagacca 240
 caaagccagg aggcttgtgg tagctggcca gctgtgaaac ttgactgata tgtgagatat 300
 ggactctggg aatcgattac 320

<210> 33565
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33565

actaagctta taaaacaaaa tgccaatca ttccaaatg tttgtaatan gacgcatcaa 60
 caagaataag ccaagctatt gtgcagcaat caatggggca aaacacacca aatgaaatga 120
 tgatggatgg ctcanattct caciaaggta aaatcatcac tttcaaattg agctntcaaa 180
 actatcatga catgtagaga agaataagg atttcaagtc acaaaatgac aagaactttt 240
 attttcaaaa caattaccca tttcttgaac atttcttata attcaaagaa aaacatgcaa 300

agtcatacgt gcacacaaaa ttgacccana atattanact aaaaatccga cgaaactaac 360
aacattaaca aattaacaca actaacanat taacataacc aacaaaact 409

<210> 33566
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33566

atcttattct tttgntctcc taccctcttt ctaatctatg aactagttt tataaaatga 60
tttctaagaa taatgatata tgatagcaat aaaactcatt ataattaaat tcttcgatct 120
aacgcaaccc aggagatatc aaatcatcta acgtatatat atatatatat atatattata 180
tctattataa tatatatata tatatatata tat 213

<210> 33567
<211> 250
<212> DNA
<213> Glycine max

<400> 33567
atatatggtt aaatcccaac tagctcttgc atatgccaac gttaaggctg tgaattatac 60
ataagattca ctaaaataca catctcatga agctataact aaaaaaatat cttaagatat 120
actaatagct caattagctc aatattgtat aagcatttga caacttatac acttatcctt 180
atctttctaa taggagtgag tcgtgtactt taagatttat ctaattatga ctgggttagca 240
tactcatact 250

<210> 33568
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33568

caggccccag aaaaagtctc cggtatatca ccacaagccc ctaccaacaa cggatcctag 60
gccaacacac aatatactac aacaacacag ccacaccatg tcatataaga cccaacctac 120
aacacggagg acactaaccc atagaccgat agcatgcgcc actaaaacat catgcgtctc 180

cgacccgtac tctaagaccg atacacacaa ccgccttaca acggcacacg agcggaatcc 240
cgaactagga acaatgaatc cactcataa caccatcaa ccgacgggta cacaattgc 300
gataatatgg cctacgggga acacanacaa cgcacggctc acacaaaag acgacatgc 360
aatngaccgc gagagccaca aacgaacacc tagccacaa tcacagacc cgctcctaga 420
cacaacagac tccgacg 437

<210> 33569
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33569

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caccngaag accatncata ctatgtcatc agcccacttc agctttgctc gataacacag 120
ccacagatag gggctcgct agagcacacg atactgctgc caatcaaacc accaacgtaa 180
cacctacacc tcgcaccaca tctccctacc atgccagtgc gcagcacgct aggttgggac 240
atcctaacag ccataccatg aagctacacc tcacacattg caatatttcc tcaactcaata 300
aaactttatc agactctagc tctgcccgt gcatggcata atctcataca ttgccctccc 360
actctctac ttctatatac ctctcttcgg agcccatctt acagacctgc ggcgaccgct 420
catgacctcc catgctaccc taactactac gcacctcta cgatgcctca tcagaacact 480
cgatattcct atacaccaac gccaaactccc gctccaacc 519

<210> 33570
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33570

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tcttcttcta ctactcctaa tcatcaaata catcttgctg agttagtacc cttcaactct 120
acccaacact ccaacaaaga caacaacaca caaaaggctc ctctcactga cctattgaaa 180
cttggetatg catcactcac ccttgagcct ccttttcgct ccttgatatc acagatcaca 240

gaagaagacg gtcaccctcc actntgcata atatctgaca tgttccttgg ttgggttaac 300
aatgttgcaa agagcttaag cactangaac ctaaccttca ccacttgtgg tgcttatggt 360
atcttggcct atatctctat ctggtcccaa cctcctcata ggaaaactga ttctgatgag 420
ttccatgttc cggaattcc tcaa 444

<210> 33571
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33571

tctgtganat tccagatcct gacaacacct tcttcactct tacagacaat tcgttcagct 60
cctatatcca cagagaagag attgctctta aatccgcgca acatcctctg tggaggctct 120
actatgtctc caccctaatg ctntaccttt gagactctct tcctcagagc tcgcttgcta 180
atcttcaaca gctgtctcac atcaattaga gccagcttgc catcacttga tgcggaaaca 240
agccatggaa actcataggc aagagaatac acaacagctg agtgaggaac agaattagta 300
aataagctgg ttttctatat ttacgagta agtcagtttt aatggattag catagtcaat 360
aagtggtttc tatctttaag gaacaagtta gccttaatac tctgctttgc taatatctct 420
gtatc 425

<210> 33572
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33572

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gaccttcaat cctattacgc aacgtggcgg acaaaaatgg gcaattaact tgaatggtca 120
ttattgtcaa tgcggaaggc attctgcgct tcactatcca tgttcacata ttattgcagc 180
ttgtgggttac gtgagcctga actactacca atatataaat gttgtttata caaatgagca 240
catcttacia gcttactccc cacaatggtg gcctcttgag aatgaagtgg ctattcctcc 300
ttctaataat gcatggacac ttatccctga cccaactaca attcgtgcga caggctgtcc 360

aaaatcaaca aggat

375

<210> 33573
<211> 458
<212> DNA
<213> Glycine max

<400> 33573

tagacagtgt gtcattgggc atttcatcct ctctaatttt cttattgttg tcccctctat 60
tattgataca aatagtacaa cgaattgcaa aaattgtaga tcaactccttt gctttgatgt 120
gctctccctc gagatattaa gcaaaaaaaaa gacaacacca tggttcacca atgcttcaac 180
aaccctaaat tgtgtaaaga gaagtgccag cagtggcaac aatttatcaa tttatagctc 240
caaaatttcc aattgtgttt gtctgaatta agagctgaca ttgagaaaat agcctcagtt 300
gcattgatat ttgcctatat ttatttctat ccacctcttt ttaacaaatg tttccatcag 360
tattataacg ccgcttatcc attgattcat cgaagttcaa gtatatccaa tgcattaata 420
atttggaac tatattagtg aattatacag aataccac 458

<210> 33574
<211> 348
<212> DNA
<213> Glycine max

<400> 33574

agctttgtgt aatcgattac actaatttgg taatcgatta ccagtgactg tttcggaata 60
aatcaaaaga tgtaactctt caaaagggtt ttgaattttt caaattgggt ttaagttttt 120
ctaaaagtta taactcttct aaatgggtctt cttgaccaga catgaagagt ctatataagc 180
aaggcttttt tttgcatctc aagtatcttg aatacttttc caatcaattc tttgcaagcc 240
ttgaatctct ttgaacttct tcttcttcat tgtacaaaaa gctttctgaa gttttctggt 300
tttccaaacc ttgaaaactt gtgctattca tctttccatt ctcttctg 348

<210> 33575
<211> 422
<212> DNA
<213> Glycine max

<400> 33575

cttgagactc gaggtgatag aattgatctc tatgactgca aagccgggtt ctctttcatt 300
catgggaacg actcattcga tgttttcatt cggcgtgaga taaacgctgt gtttttggt 360
ctggcagttt gcttttgtac taccc 385

<210> 33578
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33578

gagaaaccca tgttgtgact ggcattcctg tacggccaaa tttcccacca acccaaccat 60
atctttactc agcccataac aaactttctc cttaccacc acccagttat gcacaaaggc 120
catccctaaa tctaccacaa agtctgtcta ccgcacttnc aatgacgaac accaccttta 180
gcacaaacca acaacaccaa ccaagaaagt gaattttgca gcgagaaagc ttgagaattc 240
acccattcc agtgtctatg ctgattgctc catattactt gatattcatg gtaccatacc 300
ctagccaggt catcacctca 320

<210> 33579
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33579

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ggtatctgag gatcacttga aattagtga aaaaatcatt cccgtgaaga aaatccaagc 120
cgaggcgctt ccgtaacact tccgaaacgt ttccgtgaag attttccgcc gtctttcggt 180
cattcttcgt cgttcttcgg tcttcaatcg gtaagttctc gatatcgaac ttttcaattc 240
attgtatgta cccttggtgg tctcacttg tttcgcgtac ttttattttc atttcgttta 300
ctttccgtac ccccttttga cgtgcttttag tcatttattt aagtcatttt ctcgcctaata 360
caaaaaaatt aaataaattt ccaccgatca ttcgaattga acatccgtta attccggtta 420
aatgaaatcc gactgttcgg tcatgccgta ccacg 455

<210> 33580
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33580

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 gtaatcgatt acacagtgt aattttgaat tcaaatttta atagcttggtg taaattagtt 120
 ttggacactg gtaatcgatt acatcctctg gtaatcgatt accagagagt aaatttggtg 180
 aaaaataactt tttaacttaa aattcttggc caaacctttt gctacttcaa tnggaattcc 240
 cttcctatctt aatataccct ttctaagact ctaaagactg tcttgatcat ccatcttgaa 300
 tatctnntaa ttctttgtct tgaataaagc ttgagacgc atgtgatcct ttggcatcat 360
 caaaacatca gcttgatcct ttgtctacac atatcttggtg gatcagttct agt 413

<210> 33581
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33581

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 ctgnggctcc tccatgataa gcacatgttg tatttgagtc gtatcctcga aaaaattgag 120
 gtcgaggaac cttgggggggt tatggctacc attgaattat ggagtagaca taagagcaag 180
 gtagcatagg acacccaaat tgggggagaat tctataaact tttttgctgg aaaactcctt 240
 ccttggttgg tgttttggtt tgtgctaaaa gtgggtgttg gcattggttg tgtggcacgc 300
 aagctttgtg gctgatttag tgatggcctt cgtggatgat tngtggttg gtaatgaaaa 360
 gggctaacgt cggctgagta atgacattgt tgagcangta gaanatttgg catgtangaa 420
 tggcagcaaa acatgggttc cttccgcctt ctcattctct cta 463

<210> 33582
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 atacgccaga ctatcatcaa atgaagtggga aagagaaaat gttaggattt gcctcctgtg 240
 ctcttaatat ccatttagct atatttcttg attntntttt agtaggatag gataagtata 300
 ggtgaataat ttttaaaaat atttaacatg attacatatt taatatttga atcataaaca 360
 attgttaaat taaaacaatc tcacgtcaca tgcttc 396

<210> 33585
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33585

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 aagacatgga gtctcacaaa gctaccaaca ggaaagaaag ccatagcagt aaaatgggtc 120
 tacaaaacta agttgaatcc tagaggagaa gtaacaaagt tcatagccag actggttgca 180
 aagggatttc tgcagaagca aggtctggat tatgatgaag tatttgcccc tgttgctang 240
 ttggaaacag ttagacttgt aatagcaatg gctagctaca attgctggga agtacaccaa 300
 atggatgtaa aatctgcatt tcttaatggc tcactagaag aagaagttnt tgtcactcaa 360
 ccaccagggt ttgtgatgaa aggtagagaa acagaggtgt acaagctgca taaggccttg 420
 tatggctctga aacaggcttc cagagcttgg aacaagagaa tagatacctt tct 473

<210> 33586
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33586

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 cttgtaggtc gtagcttaag atgtgaggat gaaatctaatt attagatgtt aacaactttt 120
 cgaaataata ttgatgtcca ggtattggta aaatttaaaa atcaatatgt gtaaagagaa 180
 atacgtgtga tttgtgngt gtagtggttaa tcttttgagt atctataaaa gaggggtggac 240
 tagaaatgga agatacaaatt ttcacactac atctttaatt gacctttcac attanaatgg 300

tgattctgac gtgacacttc tatagaccgt tgagaatgta cttatggaaa tgtgataaat 360
gatgtgaaca ataaaacaat ggtcgattag aaatttaatt aagacnatag ttttgccta 420
tattactaat tgatcatgtc caatcaaagt 450

<210> 33587
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33587

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ggctgcagca ccggctccgc ttccctaact gtactggaag cggntgtcgt ggctttatcc 120
tctatagttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180
gccgatagat tgaccttcac ctgttcctgc acgccctctt cattatccat tnttctggat 240
cgagtgttat agggatgcct tgggtgtttc ttagttatga tgaaattcct aaagaaataa 300
acaaaggtga gtatgccacc aaaacatgaa tatgcaaagt aatgatcgga gcacttggat 360
ccacccaag ggtttttaga taacgtgatg agttcagaaa ttctcattnt atacaaagac 420
caatgctttc atctagccac agatatacaa aggggtgtaca agagaacctt acg 473

<210> 33588
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33588

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gctctgatgc cgcatagtta agccagcccc gacaccggcc aacaccggct gacgcgaacc 120
ccttgccgnc gcatcgaata taaactccca tactgtctgc tataccaagt actaccgtg 180
agctcggact ccactcgtca ttccacggac taaacg 216

<210> 33589
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33589

agcttctcat ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 120
aagttcaact tctctccctt tttttcttcc ttcaatttcg tgctccccc tctctctttc 180
tctccctctt tcttttcttc cattgaagca tccttccaag cttcttatcc aaggctcatc 240
ttggtggtga agctccttct tccatggctt attccctagt ggatggcgcc tcctntccc 300
tcttctnctt tgtcttccgc tgcattcca tgggtgaaaa ccaccattaa aggacctcat 360
tgaagctcan agatccagcc tccatagana gctcacaagc aagcttccat c 411

<210> 33590
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33590

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attctccacc atggagatgt agcggaagac acatgagaag aggtgagagg aggtgccatc 120
cactaaggaa taagccatgg aagaaggaac ttcaccacca agatgagcct tagataagaa 180
gcttggagat gatgcttcaa tggaggaaaa gaaagaagga gagaaagaga gagggaggag 240
caagacattg aaggaagaaa aagggtgaga agttgaactt tgagttgtgt ctcacaagac 300
tctcattcat canagttaca ataagtgtta cacatgtttc tatntataga ctacgtagct 360
tccttgagaa gctntcttga gaaaacttcc ttaagaagct tctttgagaa aatntccttg 420
ggaagctaga gcttagctac acacaccct ctcataacta agctcacct 469

<210> 33591
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33591

agctntaagt taattcaaact gacaataact tttgactcgg atgtccgatt gagtcattta 60

ataattcttg acgctagaaa ttgaatacag aagctctcac canatttaaa tgacaataac 120
 tttttactca gaagtctgat tgtgtcccgat aatatactca gatgctcaaa attgaaaaca 180
 gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240
 taataattcg agacgctcan aattgaatac agaagctcta agcanattca aatgacaata 300
 actnttgact cgaatgtccg attgagtcatt tntataattc gagacgctca anattgaatg 360
 caggagctct caccannatt aaatgacaat aactntntac tcagaagtct aatgggtgtcc 420
 tgtaatntat cta 433

<210> 33592
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33592

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 ggacatccga gttaaaagtt attgtcgttt gaatttgctt agagttactg ttctcaattt 120
 cgtgctctc gatatactac aggactcaat cggactttcc agcaaaaagt tattgtcatt 180
 tgaatttggt gagagcttct atattcaatt tcgagcgtct tgaattatta agggagtaaa 240
 ttcgacatcc gagtcaaaat tttttattgt ttcaatttgc tgagagctgg tgtattcaat 300
 ttcgagcgtc tcgaattatt aaatgggtca atcggatata anagtcaaaa gctattgtcg 360
 tttgaatttg cttagagctt ctgttttcaa ttctgagcgt ctcgatatat taccggactc 420
 aatcagacat ccgagtataa a 441

<210> 33593
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33593

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 agcaagattg gatgagggga agtgtgattt tcgaaatctg cacttatgca gaattttgct 120
 gtcaaaatat gtgcagcagg attntagctt ggtgcagaaa atgcttgtgt gtggttggtc 180

<210> 33596
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 33596

tcttagtttc agatgatgca gatgggcttg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt gctgagtcct tcataaaaat attggagaag aagctgctct gaaatctgat 240
 ggtggggggca actggcacat agtttcttaa atctctccta gtactcatac aggctctctc 300
 cactaagttg tctaatacct gagatatacct tcttgatggc tgtggtcctg gaagcagggga 360
 aaattgtttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420
 ggtaatacaa ccagtccttt gccactccct ctaatg 456

<210> 33597
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33597

agcttggaga tgatgcttca atggaggaat agaaagagag aagggggggag cacgaaattg 60
 aacgaataaa agaggggagag aagctgaact ttgaagtgtg tctcataaga ctttcattca 120
 tcaaagtgac aacaagtgtt acacatgctt ctatttatag actaggtagc cttcttgaga 180
 tgctttctta agaaaacttc cttgagaagc ctctttgaga aaactttctt gagaagctag 240
 agcttagcta cacacacca ttcaanaact aagctcacct ccttgagaag ctatcttgag 300
 aagctagagc ttagctacac acacccatct aataactaag ctcacctcct taagaagcta 360
 gagctcagct acacacactc atctaaaaac taagctcacc tnccttgacga aatacatg 418

<210> 33598
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 33598

gttaaccttg acttggtaga acctcttgcc gatttgattt gttcccatgc ttgctaaagt 60
gagacaaaag ctggtgcaaa tcaaaactcc gatattctcat ggggtggaatg gatgaatgca 120
tgaaggaatg catataacac agatgcaatc taggaatgcg ggggtccggg gaattcgtcc 180
ccttcttaga cacaacgtct aggggtagca aagtgcccca acgtacgttt ttaagaaggc 240
gacacggacc ctccgttggt ttgtttacac aagggatcaa gacagaacct atatgcatg 300
cctatgcaaa agacacaatg cggaatgta cacagtatga caatattcac tgaacataag 360
caaaagggtat tatgatactt atgcatggca gtgtgaaaaa tggcatgcac cgtgtttgct 420
cgtgccccta t 431

<210> 33599

<211> 407

<212> DNA

<213> Glycine max

<400> 33599

agcttaatgg tgcaatccca atcgaaattg gccaaacttca taagttgtca atactgaatt 60
tgagctggaa ttctctgggt ggatcaattc catttgagat tacaaagttg agcaatatta 120
ctttcttgaa cttgcaaacc aacaatctaa gtggttccat accaacaatcc attgacaact 180
tgaaatttct ctttgaactc caactcaggg aaaacaaact aagtgggtgtg ataccaagca 240
tgccggggag tttgcaggtg tcaactgaatc ttagtagcaa ccactttagt ggtaatactc 300
ccaacaattt tggtaatgtg gatagcctgc aagtcttga tctctcaaat aacaaatttc 360
ctggtccaat tccaaccaa ctaactggaa tgtcagctct gacatag 407

<210> 33600

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33600

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ggaatggggt taggcaaaga caacggcggc ataactagcc tgataaatgc caaaggaaat 120
cgtgggaagt atggtttaag ctataagccc actcaggcgg atatgaagag aagcaccgcg 180

ggaaggaaaa gcagtggcca aagctcgcag ttgagacaag aaagtgaagg aagcccggcc 240
 tgccacataa gcagaagctt tataagcgca ggtttgggag acgaagggtca agtgggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttgggtac gaaccatgcc ctctgatttc 360
 cagctgggaa aatggcgagt ggaggaacac cccggcattt acgcaacgag cataatgtaa 420
 acctttacgg ttntaaaagc tctatagtt 449

<210> 33601
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33601

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 aatatccaaa attacgattc tagtgtcgac aaattatcca taacgtttta attgttaaaa 120
 ttacaaaata aaagaactca aataatagac gtctaatagaa ttaaaaaaat atataatctc 180
 ataaaataat cttatgtata attacataac ataaaatagt aaaatagtaa aatagtaaaa 240
 tagatgagac tcaacttctt ataatgctct ttatttttcag caatgaagct aataattatt 300
 cgaaagatac attgcttggt ttgcagctat acttatgctg aataataaat agacgacgta 360
 cctcttagca agtcatctag gcgtacttct tgacatatca tnccatgaat at 412

<210> 33602
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 33602

tgaaagtgtg taaaccacca tcttcttata gtataattct ggtaacatgt ctactatcat 60
 cggatatgcc tccctcttct cattgggggt gctacttgag ccgctaaatc cctccacctt 120
 tgggcgtatt ctttgaaaga ttcggtgctcc tttttgcaca cattctatag ctgcattcta 180
 tccggaacca tatcagaatt gtactgatat tgcctaacga aggcaaccat tacgtccttc 240
 caagaatgaa ctcgggaagg ttccaagtta gtataaccagg tgacaactgt cccagtaaga 300
 ctttcctgga agacatgcat caataatttt tgatctttcg catatgctcc cattttccta 360

cagtacacct

370

<210> 33603
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33603

agcttctcat tgaagcattc tantctataa ctagaagtat gcgtaacact tgtaactttg 60
atgaatgaca gtcttgtgag acacaactca aagttcaact tctctccctt gttcttcctt 120
caatttccgg ctcccacctc tttccttctc ctctctctt tttcctccat tgaaacatcc 180
tctccaagct tcttatccaa ggctcatctt ggcggtgaaa ctcttcttt catggcttat 240
tccctagtgg atgacgctc ctctcaccta ttctcctatg tcttgactg catctacatg 300
gtggaagatg ctcatataa gacttcattg aagctcatag atccagctc catagaagcc 360
cacatgcaag atccatcatg ttcataatgc tc 392

<210> 33604
<211> 405
<212> DNA
<213> Glycine max

<400> 33604

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aaacgatgcc cagcgcttct taaccgctgg atcttctcaa aatttggtct gcaacttcgc 120
aagacacttt tccatgatct gaccgttggg atctttgaga agatgtctgg agtgtgctat 180
aagcctctta atgaagcttc tggaggaagc ctcttaatga agcttctaca gaaagctaca 240
tgaagctgcc ttggtaaaaa cgctgcccag ccttcgttaa ccattggatc ttctccacat 300
ctggtctgca acttcacaag acaatcttcc atgatcttaa cattgggatc tttgagaaga 360
tatctggagt gtgctagaag ctctcggtcc cgagagcatc tctta 405

<210> 33605
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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 tttatttttc aaacatatta gatgaagtcc atcaattgtc atacaccaac ctaagagggt 240
 tgtgctacag tttgggtatg tttagaccat tctccacac cctgctactc catccctatg 300
 tatagaagat attgatgata gatgtattca gttctctgaa taccttgac tggtgggtca 360
 aatatgtgtt acgcatagac agaatgcagc atactacatg gagtgatctt acatgatatc 420
 tcatcccttc atgagttcac a 441

<210> 33608
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33608

ntgaggaagt tccaactctg aagaaacaaa ccttcttttg ccattntgag ggagctcagg 60
 atgaggaaga gaaggaacaa tcccctcaag gtgaggaaca agtgtcgaaa gcggtccctt 120
 ttaagaagcc actggactat ggctcttttt atgaaacctc aaaacacttt tctatgaaag 180
 agaagaacga tgaggaatac cattttgagc ctcaaaatga ggtactatca gtcgatgaat 240
 gtgggtcaatc tgctcagaat taagaagctg aagatcataa cacaagagct taaaatgcta 300
 gatattagaa tgaatacatt caccctatg aggggtgtaa ggctgttaaa gtcataaga 360
 ctatgggttc tgaacctata caagaggatg caaatgtgaa gatcattcta at 412

<210> 33609
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33609

agcttagcgt gacaactctn tntgaacctt cataattttc tcccttttac ctgannatga 60
 agtgaaattt acattaaatt caataagaag gcttctattg agcacaaatg aaaactaaaa 120
 tagaaatatt tacaatccta ccaaaaatta accataaatt gggagattta tttacattnt 180
 ggaaactttt ctatacaaaa aattagtcac aaaagatgac taacaccacc tgtgatcgat 240
 taaataatca atgtaatcga ttgtttcgaa gaattaatca attattntat catttcaatc 300

tatcanagtg ttattcccaa catctagaaa gctctcaaga acaaagtaat cgattagatt 360
 cttgatgtaa togattaaag tgttcttgat cactnttggg aacactnnta agaacaaaagt 420
 aatcgattag gatcacctgg taatc 445

<210> 33610
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33610

tncatcaatt tatctcttat ttcagcctct gttgaagtgt catcttcatt caccaatctg 60
 gataggtggt ccgctaccac aatttcagaa cctttcttgc ccttgatgac taaatcaaatt 120
 tcttgaagca gcagtatcca tctgatcaat cgtggcttgg aatcaacttt gcataacaaa 180
 tattttattg ctgctgcatc agagtaaatt actatcttgc atcccaccag ataagatcaa 240
 aattttctcaa gtgcaaacac aattgtcagt aattctttct caatggtggc atagttaatt 300
 tgagcatcat tcaaaaactct gctagcgtaa tagatgcgat gaaacattct gctcttctgc 360
 tgccccagca cagcacctac tgcataatca gttgcatcac acatcaattc aaactcttgc 420
 cgctagtctg gtgctgtaat cacaag 446

<210> 33611
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33611

agcttncatt cttggttatt attgtcttca atctaaagaa gtctttcaca ttcgacattc 60
 aagttctcga tgataagaat gtcatacgac gatttcgagc ttcagatttc tcagcgtgta 120
 actctgcccc tgtctgcgtg tctgattatt atgaacacaa cttcagatgt ttatctgctt 180
 ctgggggtttt tatgtgcatg agtgcctcgt cctaccaaat atccagagcc tcgactttct 240
 gactaggaac attttggcat gattcttatt tttaggatcat tgtattcta 289

<210> 33612
 <211> 465

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 naacagagca aacnnnaaat ttatggggta tttgcgatga gagaccgcg tatagcgat 180
 atataccatc atgtacctcg actttaggaa attaaatcgt caccatcaaa aagggggaga 240
 ttgtccaagc aacaacttcg atgttttgat gatgccaaag gaccatgtgc ttctaaagct 300
 caattcaaaa cgatcatgcg cttatcaagt ctaatctcag accaaaaacc atgaaattca 360
 agagacatga ccaagatcaa ctctacagac gtatgaatgg aactccagt tgaaacagca 420
 aaccgtctgg ccaaagaata taagttaaca cgtctttaca agagacttac tctctgcgaa 480
 tcgactgcta gacgattaaa tcgaccacca ctgcgccaaa acgaattcga actatctata 540
 gcagctatta cacatctgaa ttcaatctac aatgcgcc 578

<210> 33615
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33615

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 gttaatcata ccgtatatgt gtccatgctg aaggatgttc gttctcttac agttaatata 120
 ttcattcccc aacgtatata ctctattagt tcttaccgct tgcttaagat caaaaccact 180
 aaatgaanat attgtaattg actctagggt atgcaaaaaa atcatgtcgg aaagagaata 240
 ttcactgtga gtttactcat agtctctaac acatagttgt cactgctcta agcaagaaca 300
 acttcatatc aatatgatgt taaaatacaa tcgaagatac acacgcatgt gctgattgta 360
 ccaataacca ctctcaatnc taactaatgc acgagctgat actatcgact ataaatcttt 420
 acccgat 427

<210> 33616
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 33616

tacttcatca tacatgactc atgtcagcac tcgtgttgta cgtataatgc caggccccgt 60

aatatagcag cgtgtgaata aagcggaacc ttttatctta cttttacttt taaacaagtg 120
 ggtagccttt ccaaaagtaa cagtgaatac tacaatatac cagctctaaa ctactaatct 180
 ctatgttctg catggaaact catgctactg caatatgatc agtgggtcaaa attatatacc 240
 atactatgac aaattcatca tccgaccaca atcgatgtca tcgacagtgc gtgatacaca 300
 tcagggattc tattattgaa atatacaaca attggttaaca aaa 343

<210> 33617
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33617

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 tagaaagggtg acctaagcac ttgtgtcata atgctcctga gtttatatta tcaattctac 120
 gcttagtacc acacaattct gcattaaagg attcaccata ngaagctaca gtatcaagta 180
 aatatcaatt atcattagcc aagagtgaac tgggtccaac aatatctgaa ttgaaagaca 240
 acctaaatac attgtttcca aatgaacata agtaacccaa tttgttcaaa taagaaactg 300
 aaaccaaatt ccatctaaat gacagtacaa caaaagtgtc tttcanagta agaaacactg 360
 atgttagtag tggcaccaga atctaaccac caagtgtttc taggtactgg agctaaattg 420
 acctcagaac agac 434

<210> 33618
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33618

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 cgggtggcgcg acaagacgag acgcogaacg cgcaacaatg cactacgccc ttcggccgag 120
 gtcgcggngg tgcgacggag atgcatgcaa acggaagagg tcacagcaag gtcacggtag 180
 atcgaaattn tagagaaacg ggggaagcggg agctcgagtg cgagtgttca tgaattagca 240
 cgaaaaacct tataaacctc aatgttaacg atgatggctc aagaaaaacg tccttgacat 300

gttataagta ttttatgcta agcatagta ataaatac

458

<210> 33621
<211> 329
<212> DNA
<213> Glycine max

<400> 33621

ttcttatctt gatcatctta actcgatgta tggcaagtct ccatgtgggg ttagctgaaa 60
catggatgct atgggtggcaa gcacattacc catctgattt tcctctctac gaatgtgggtg 120
gaaagagacc tcatcaagaa ctcaatcagt ttcttgatgt acgcctgata gggatatcaac 180
tagagatccc tagtttccca ttctcccctc agctggcgaa ttaccaaggc tgagtctctg 240
tacactataa gcaatatgac attaaagtca attgccactt ggattccgac ggcacatgcc 300
tcatactcag ccatagtatt cgtgcaatc 329

<210> 33622
<211> 444
<212> DNA
<213> Glycine max

<400> 33622

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cgattacaca atgcacattt tgaattcaaa tcttaatagc tgttgtaa atctttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccat agagtaaata tcttgaaaaa 180
gactttttta cttgcatctc ttggccaaac cttttgctac ttcaattaag aattcccttc 240
ctatttaata tacccttcct aagactctag agactgtctt gatcatccat cttgaatata 300
tttaattact ttgtcttgaa taaagctttg agaagcatgt gatccttctg cgatcatgaaa 360
acattcacct tgatcctttg tctacaatct ccgcctgtgc gatgatgaca atacttgaaa 420
taagacaagc tatatacaat atga 444

<210> 33623
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33623

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 tgccacagaa tccagacata aactatcatc tcttaacgcc tcaactcttat tatcatcatc 120
 acaccacata ttaactttct caccgtaggt gaactctaca tagcatctct cacagttgtc 180
 catgggctat tcttgcttat aaacatctct aacatgatca cataaacctt aaacaaaatg 240
 ggatgtctac tca 253

<210> 33624
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33624

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 tcgtccctcg tcgggactat gtttcactt gctaactctca accaccgcaa tgacatatta 120
 cacatttgac gcatgataca gtgcaaaact ccttagaatg ctagtaattg aaatcatctg 180
 ggcataggat ggaattactc tattgagtgc gacatgcctg atgaccatag tgaatgtatg 240
 aatacatgca ttctgacgat gccacacaat aatctaaca agtctgcttc ttactacct 300
 ccctaagagt ccatgatagc ctgctacat attaataccc gatgcttacc aatcctcatt 360
 gatcaggatc tatcaagatc tgcatactct caatacaagg tgtcatagct ctacgctctg 420
 taatcatacc atgttggcac tgataccctt gcagttttat aataaattac agtgctttac 480
 atcattacg 489

<210> 33625
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33625

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 gcacgaatct tatacccagt gggttattga taggaccaag agctttggcc taccctaccg 120
 cttaccacga tacctatcgt ccaccatccc accatcatcc ttgcctatcc cttttgatac 180
 taaggaagag tttcatgaac aattaaccaa agaaaggcaa gagaaagaaa cttggaagag 240

gagataccag gagctcgagc aagagaatga gattttgaag gggaagatag cccaacagag 300
 ccgtgagctn tttatccaga accagaggat gattgagaag gacgacttgc ttcgtcggan 360
 agacgctttg ctccaccgag atgctagaag aaagaggagg tttatggatc tgttctcccg 420
 tgcacat 427

<210> 33626
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33626

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 tagtctgact taagtattat ctgttaggaa ttttataatt cctaattaat taatatgagt 120
 tacatattat attataatat ttatattagt tatttgatat gtttgatata attcaatgag 180
 cggaaaccag ttggtccatt aggagataat gagaacccta atagggttaa accttggtta 240
 ttgttcccaa tacatcaaat caagaaacag tttttcctct tcccatctaa agagaaaaca 300
 tagatcccat aagaaagaag gtgatttggg tgaggaaagt cattaaacta attgttcatg 360
 attgctgtaa gattccgctg cgtattaatc aagctctgtg gaccagata ttccttaaaa 420
 cctcttgatg atctgaccta at 442

<210> 33627
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33627

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 ttttataag atactgctaa gtgccaatca tagatactcg catctctgca taatacgtgt 180
 tgttgagtat aggaaccatg cttccttggg tcatgctgat tcttaagtag aatcgtctat 240
 catatatact atatgaatat gaattcacta tatgaatgct caagttttat ctctcataaa 300
 atactaatct gatcgatatc acatctcact tcatcagtc tctacaatct agatataact 360

ctggatccta tgtacataag ctactactaa atcataacta gccactccgt attgtggaag 420
cgatctctac cttaac 436

<210> 33628
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33628

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aagcatgact actgcctatt caccattaga tcatggaata acttagtcat tctactaatg 120
catatcgatg acatgatcct gtcaggacca aattctagac tagggcaagc tagtgagacc 180
caattcaatc tatgtctcaa ttgaggatcc ttggcactat gaaatattat cttggcttat 240
aattatctaa atgcaacaga ggtatctcac tttcctagag aatatacact ctatctcttt 300
tggaagatac atgtttattg acatgcaaac cgatcaatct atcgatggat cccagactag 360
atacttactg cctgataaat caatcttgat gat 393

<210> 33629
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33629

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taagttgcca attgggccct tattacaact tgaactanag cccttttagt tgattaaccc 240
anaacatatt ttgggtcagc caactttaca aggatngggc cattatntag acaaactaaa 300
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cacaaccttg gac 373

<210> 33630
<211> 455

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33630

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attcaggcgc ataatatctc gagacgttcg aaattgaaca atggaagctc tcgagcaatt 180
caaattggtca taacttttca ctccggaggc cgattcaggc acataatata tcgagacgct 240
cgaaattgaa caatggaagc tcttgagcaa ttcanatggc cataactntt cactcggagg 300
tcngattcan ggcataata tatcgagacg ctcgaaattg aacaatggaa gctctttagc 360
aattcaaattg gtcataactt ttactcggga tgtccgattc acgcacataa tatatcgaga 420
cgctggcaat tgaacaacgg aacgtctcga gaaat 455

<210> 33631
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33631

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ttaaagttac aagaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
agttttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt cagaagctag 240
agcttagcta cacacaccca tctaaaaact aagctcacct ccttgagaag cttccttgag 300
aagctagagc ttagctacac acaccctctt aataactaag ctacacctct tgagaagaga 360
agctagagct tagctacaca ctctataat agctcagctc acccncatga canaatccat 420
ganaatacaa aananagcca tactac 446

<210> 33632
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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<400> 33632
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ttaataagat attttctactg ctagatcagc agacctaaact aatgacatga ttttcttggt 180
acttgtttca cgctgaatth gaagttgtat caaagtcacg acttattagt cagtataatg 240
ctataaaatc tgcaataaat taaaactatt atgggtttata actatttgag gctttctctc 300
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aaaataatag atacacttat gagttntgtg gcctcagtta atagataaac atag 474

<210> 33633
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33633

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attgggtgag tttgattgtg atgatcatgc ttaattattt ggtgttgatn tgcgaacatt 360
cttacgagat taagaccgtg gaactcgtga agccaactgt gtgggcttat ctatccttgt 420
ctagagctga tcct 434

<210> 33634
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33634

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 ttttcataac atataatgta ttatttggca tagcttaact tgaaaataga tctattaaga 180
 caatgaataa aataataaaa ctgtcaagtt gtcaactgat taaagaatag tatattacgt 240
 tacagtaaaa aaatagtata gtatagtagt agctttcaag tttttaacta aaatattata 300
 ttttaataat taatataaac gtattaagtg agtaaattgt cacgcgtatg tttgtacata 360
 ataatatata ttacaaatac atgtgtacca gacgctctta gctggcatat tgatttaata 420
 ttgcatcatc acaagcatag agcataaact agcattatgg ttctctagat gatgt 475

<210> 33635
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33635

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 tatttccttt ttcatactat tgtttaggga agcacagccc aaaataccta gtttaagttc 180
 atgatccacc tgcggctatt tccttccttg gcgattgaca tctgccaata caactgtaat 240
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 catttcttct tctgatatga tacctcacct 330

<210> 33636
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33636

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 agcaaaatta tccttaaact atcacgcaca tgatgaatta tcgttaacaa aaatcaaact 180
 atgacagaca agggaatgtc attataatga aattgtaaaa gttatagaat ttactatata 240
 taacaataat ttacaacgag attctcttgg gataagtatt aaatgaatga aagataaata 300


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agcttgtaac aaatcttcta cacttggagt gatcacctgc agtcctcttg aacccttacc 120
accactctg tcatcatgcc gagactcang aagcccaaca ggtttagcct tctctaagta 180
ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
atgatataga ttctttgtat accctnttaa gatcttcatg tatcgctcaa ccgggtacat 300
ccaccgtaga taaacaggac cacaacatth gatttctctg accagatgca caatcaagtg 360
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<210>      33640
<211>      450
<212>      DNA
<213>      Glycine max

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<400>      33640

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cattgatcaa tataaggaga aggtgaacct agctgctagt catggacata tgctggaagg 180
tatcggctct gtagattgaa aaggaagcaa gagagagggt gatagattta ttgcacggcg 240
aagccatgaa atggatgaat agattcgctc tactctgaa tgagagtcaa gagcttccaa 300
ggttgtagc cagagccaag gcagtggcta acacatactc gactcccgac aaagtccacg 360
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<210>      33641
<211>      436
<212>      DNA
<213>      Glycine max

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<223>      unsure at all n locations
<400>      33641

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aatacaatga ttaatataga taatttggac agtttacgaa gagtcatttt ttatacataa 240
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 tcgctntgtt cttcgggtgc acacttgatc atggtgaatt catctcaccg ctttcatgtc 360
 gtgtacttgg agattaatgc gaaatggctt caaaatttca tcacatntaa caaacatac 420
 ttaacttata cgtatg 436

<210> 33642
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33642

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 aggcttcccc ttatgtcaac aatctttaga caagtcgttt gtccttttgc atgtagtgca 180
 aggaggaaaa ttgtcccttg atataaatta ggttgaactc ccatcttggt tgccttttcc 240
 ttttgatcac ctctctttt acattgttgc ttattttgat ccttctgaat angttgcttc 300
 cccttggtgc tagcttgaat tgtaccttca attacatcat acagcctcat ggaaaatctt 360
 agttcatgag catgcaactt actcaccatc tcanacatag ttagtttctt aagatcacat 420
 gattcttcaa tagtagaaac tttggc 446

<210> 33643
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33643

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 agaaatattt acaatcctac caaaaagaac cataaattgg gagaaatata tacatttttg 180
 aaaacttttc tatacaaaag ttagtcataa aagacgacta acagtaaggc aatgaaatgg 240
 gaggaggctt gctatatata atttcatagg gagtagcata ngcagaagta tggaagggtg 300

agttgtacca ccatttagct aaagagagct aatgaaccca atgatgaggt ctatctaaac 360
acatacaccg aagataagtc tccaaacgcc tcttaacatc ctaagtctgc ccctctgttt 420
gtgggtgata agagg 435

<210> 33644
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33644

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caacagtcac atgtttttat gtggttcttc gaatgactat caaaggccta tatatatgtg 120
actcgagaca tgaatctgct aacagttctt cagaacacaa acgtcttata ctcttataaa 180
gcacaatcgt cttattgctc ttacaacatt ccttggccaa attacttggtg atccaataac 240
gaatttttta gcgctcaaata tgttcaatct atctctttcc agagagattt cttcttctct 300
tcttcattct gaaaagggat taagagaccc agggctctct gttgcgaaag aattctaaac 360
acanatgaag ggttgccctta tgtgtctaca acttgcaaac gaat 404

<210> 33645
<211> 522
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33645

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tgngaacctc aacagccgac ctgcagtcac gcacttcttg tttacgatcg gctgaggggtt 120
gtgacacgac tgagcggact gtgtcaatct gagcctcacc attacatggc gacatgaaac 180
aataaccttc actatcctga atagatcgcg atatcctcac tgacaaatag accgattaca 240
aggcatagga ggatgctgac caactttcta tgcattgcata gaaacaggtc gctcaatttg 300
ctgagtctct agagcacgat gcggcacgan tgacncatat agagtaggga tacgctacgt 360
cttactgaag cgatcttcat gatacgtata tgtgccata tatctccaca atggattcac 420
gaatgcgac tacttagcta agggtttgat tgctcaccta aggctaccgg actggacagc 480

gatgccaaaca gacggtacat tactggtggt gtctgacgaa cn

522

<210> 33646

<211> 264

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33646

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cttataaatac aataatatac ttttgctga agcatatcat caaacgttac atgatggagc 120

tcgtgtctac taatattctt atggagaaat ggaaacttct ggtgacatag aatcatatga 180

ggatctatat taangttata aggctgactt ggacacaaaa tctaaagatg atacacaggc 240

tagtcaccga tctatctttt aatc 264

<210> 33647

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33647

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agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta tagactatgt 180

agctctcttg agaagctttc ttgagaaaac ttccttgaga aacttctttg agaaaacgtt 240

cttgagaagc tagagcttat ctacacacac cctcgaata actaagctca ccttcttgag 300

aagcttcctt gagaagattc ctacactagc tagagcttag ctacacacac tcttctaata 360

actaagttca c 371

<210> 33648

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33648

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 attttaagag aaacgactat tatttattac tgatttttgc atgaatctct gaagtatgaa 180
 tcgaatgcat gaaattgagg atgatgaatg ccatgtttga ttgtgatagc cacttagcca 240
 aaaagttgac cacatgcttg aatgatttat cctttgcacc cagtttgagc tgaatgaatt 300
 attgattgat tgaaccctgt gcctatacaa tgttatctcc tgctaccttg acgtacgttg 360
 taagagagca tcatcacatg aagcg 385

<210> 33649
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 33649

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 tttttttcta catcgactct cgttgcgttt tgcaaagatc tgatctgggt cgtggatatt 180
 tcaatgtgaa agttaagggt ctttttgtcg catagtaata attgaaagaa acaaaacaag 240
 gtgggatttt taaaggggggt ggtggagatg gatcgttctg ctatgactgt tgggccagga 300
 atggatatgc cgatcatgca tgacagtgc aggtatgagc tgggccgtga ta 352

<210> 33650
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 33650

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 acatttacia cagaatgcct tgaattgaaa tttgatatat agaataaaaa cattctttaa 180
 taatagaatt ttaattcaat aaaatgtatt ttggaaatga tatcattaca taagactaaa 240
 attagttaaa atttatttat attttaatct atattgagat cgtttatctt tgctctggaa 300
 ggagtcctat ggaaggaaga tatagaaacg aatttacttt gagattgaag aaatgttgat 360
 tgtgatttga tgctagtaga tattagttca ctgatgtcta gattctattc taagtga 417

agataatgct tcgaaaactc attntggcag cacacagaaa tgtcaaaatc tatgatgaac 120
aaaccagga taatagttaa atttaaaagg gttaaattgg aggggggaaa gactttctgc 180
tagattatca ggaaaaggta gagaaagttc catttacaat tgttcttttc tccatttaat 240
aaatagttta acctcaagaa atattttcag gaattgatgt tgaccacaac agcatggaac 300
agattcaaaa aaggcattca natcatattg aagcaagcca ttatagtaaa taacaaagag 360
aaagaaggct ntanggcaac cagaatatac catatagaaa tgttcccctg tggcatatgt 420
acaaacataa tcccttcagt aattttcaag agctagacg 459

<210> 33654
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33654

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tttgtaaga ttgtgaaata cattagaggt tagccatagt agttggttgt taactaacta 180
tggttaagtc ttacttagtg tataaatagc atgtaaaccc ctgcaatacg gtggatgac 240
agtttttcaa gcactaataa aattcccata tattcaaaag ttgttattca ctctttttct 300
cccttgttca atctttttca agataccacc tagaaatctt gatcctttcc aacaagacaa 360
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ttgaggctga tgtanacgta ctattgaact tgactaa 457

<210> 33655
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33655

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ggaagcggct agttactcaa gggatttgaa atttaagctt caaaaactaa ccaccaagg 180

caacaatggg gttgaggagt atttcaagga aatggatgtg ctcattgattc aagcaaagat 240
tgaagaagat gaggaggtaa ctatggctcg atttcttaatt ggtttgacta atgatatccg 300
tgatattgtt gagctgttgg agtttgttga aatgaatgat ttgcttcaca aagcaatcca 360
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ttctagtgtg aaagac 436

<210> 33656
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33656

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attgagtcaa gaacacttca aggatcgaga ggaaatttga tttcaagaat caaaaatcaa 180
gattcaagat tcaagaataa tcaagatcaa gattcaagac tcaaagattc aagaatcaag 240
agaagactta atcaagataa gtattaaaaa gtttttcaaa atattgagta gcacaagaaa 300
ttttcacaaa atcattacca aagagtttta ctttttggta atcgattacc agattatagt 360
aatcgattac cagtggttnt aaaacgttaa gattntcana attcacaatg aagagtcaca 420
tctgttgatg tgtaaccaat tacaccatta tggtaatcga ataccagtga ctgttt 476

<210> 33657
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33657

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tagataaatgt taaagataaa catttgttta tagatgtttt acctttgtag ataatgtgtg 180
agcttataga taatggtaga gataaaaaat tgcttataga taatgtgtgg gggttatagat 240
aattaattat ttatcaataa ataagatatt caaataaatn tgaatattaa catgttagag 300

ataacatatt tgttggagag cccagtacta aggatcatat gtccgtgctc atgtaaccgg 360
aacanacatg gaggggtggac atatatctct gaatgtgtca catatatntt gcggatacaa 420
aacatatgat ngaaaagatt gactaatag 449

<210> 33658
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33658

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aaaagttttg tggccccaag aggaatggcg ggttgggatt tgcgaacttg catgaatcga 180
ataaagcttt catcatgaag ttggcttggg ggctgataaa taccocgcgcat gcgttttgag 240
ttacgattct tacagacaag tatgggttgcg gggagaagag aaatgcttct acaacatgga 300
ggagtgttta gagattcaaa tgggaatcta cgcgcttgta gtgtcttcat gatacaatta 360
tcaactatcc ttatatctct tgatttggct tattacaggg aagctccagc agtctcaatc 420
ttatgctaata aacatcagga atatattagc ttctgatggc tggagattgg ag 472

<210> 33659
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33659

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aattagctta tgcattcaac cactcaaaac atatataatt ccatatcatg caagttaatg 120
tgaataaaat aaatagcata ttggaagcaa gtttcaaaaa aagggaggaa tcagaagact 180
ctatagtgtt acaaactata atataagaaa ttgttgataa ataaactgca aggggagcaa 240
agtttcagaa aactgcttca cctgcagctt gacatattag tccttttact attaagaaga 300
gaanaaagggt aataccaaat ttgacaaagt tntttagggg caagaaaaac actanggata 360
gatagtgaat tcaaaataga aaaagtgata attatggctc tntatcac 408

<210> 33660
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33660

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 gtaaattgtac atcaatataa atataatata ataaaatatt aacaatgttg ttaatggcgg 120
 aaagccaaaa attcactata aaaatatggc ggatgacgta acagaaaatg acggatgtca 180
 tggcgaacaa aaaaaaata catatttata aagtcactga aattgaaaaa aacaatggat 240
 tgcattcaaa taaactaaaa atgtttcatg agttcataca ataatacaatt atcaatacca 300
 aataaactca ttaaagagtt cacaataaga aaatgataaa aaataaaaagg ggtgtcaaat 360
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<210> 33661
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33661

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 attatcacia tcagacacgt tgataagaac atgatggatt tcattcttgt tatattntat 180
 tctgtgttat catgtcatgt ttgcattana attagagaaa ttcaggctac aaaatttaag 240
 gattttgaca ctattactat tactgagaaa ttctctctct ctcttnttgg tttttctcct 300
 ttgtatgtgc tcaaactcat aattcanaaa anaatacacc aaatatntat tattctaaac 360
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 taatatnta attttttctc tttaatt 447

<210> 33662
 <211> 469
 <212> DNA
 <213> Glycine max

cttgtcattt gtgataagct gcaccagtat gaaacaaatt gattaatcaa ctgattttgc 120
 tttttctgaa ttcaggtatt taattaacca aaggcggtta tggagctaaa gaaacacatt 180
 tagagaaaac ggtttatcaa tcataagggt taactatata tatatatggt cacggacagg 240
 tcaaggagtg tatagaaggg gagagggggc aatattttta cataattata taatatttat 300
 gttntaataa ataataattt taaaaatatt gattattaat tctatgaata acattagaga 360
 tataatctatt actaattctt ttaagcaaatt attatctcaa aaatatattc tttatataga 420
 attttcttta atataatttt ttatatacac ac 452

<210> 33665
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33665

ttcttgttta ccccatgttg agtttgctta caataaagct gttcatagca ctactaattg 60
 ttctcctttt gaagttgttt atgtttttaa ccactaact tctcttgatc ttttgcctat 120
 gcctaattgtt tctattttta agcatanaga aggtcaagta aaggcggtct atgtgaagaa 180
 gcttcatgag agagtcaaag atcaaattga caggaaaaat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcga acctggagat tngttttggg tgcacatgag 300
 anaagaaagg tttatggaac anagganatc atagcttcaa ccaaggggag aatggaccat 360
 ttaagtgcctt gaaagaatca atgacaatgc ttacaaagtt gagctacca gtgagtata 419

<210> 33666
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33666

gtgtntgctc cgtgccccta tttaaggagc ctaanaggta tagagctaac tangcattta 60
 gtgataaccc ccaaggtagt catatctctc ttgatggctc ctagaggat catccccttt 120
 gaagaacata ttgcagtagt agggactact agcaacaata agttttcaaa gagaaaagct 180
 ctagatgagg gttcactgta atcaagcaag tcggagacct agcatgatca cagattcacc 240

tccgctcctt atgttcccat gaacccgggt atagggcact nttccactc acagtgtgtg 300
 caaatagtgt tgggtgttgt gtgcatcana tgaataaata tttacctcat gcatacattn 360
 tanaacgcac tataagcaac aaagagttta tacacacaag cacataagac aaataaaggg 420
 aaaccaacaa aggagaaagt cacgataaaa cattgcacaa gaattaaat 469

<210> 33667
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33667

ttcttgccat gatcatggca gacttcgagg cctgggtgaa ggagttagag tccaagctga 60
 aggagttcga gcagcgggcg actagggaga gagaggtcag gcagcaactt gaagaagagt 120
 tgctgatcta caagaatgag gttttggagc agcatgagaa aggctntaaa aaggttgtca 180
 agcaggccgg attcttccaa aaggaccttg acttgcgctt ttttgaccct ttcaattgtt 240
 tttggaaggt tattatgact gaatttgatt gtcaatgtn ttcaacaagac ctagtcaatt 300
 acctatgcat ttagatntgt cgtgctcatc tttatacatg ttctanaatc acttaataat 360
 atgggttatta gttntaaaaa taaataatan aacatatgan aaactaaata ttcaaacaat 420
 ataggagaaa tctttgtcga gt 442

<210> 33668
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33668

tcggaagaaa gtgatgaggt acaagcccta aaggcagtgc ttgaaagagc ccgagtagtc 60
 gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggac 120
 gtcaatatgg ccaccgctga tgccttgga cagagaaacca agaaggcca aaaggaagaa 180
 cacgtgccag caaagttttg aggggcttta tagggcagca atagtaagct caagctccga 240
 agagggtgaaa ggaatcatca cgggtcagag gcatgatctt gaaggacgag ctaaaggctt 300
 accttangtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360

ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgaa caaaggctag 420
aggatgagta cgccaagata tc 442

<210> 33669
<211> 275
<212> DNA
<213> Glycine max

<400> 33669

gcaataagct ggaccgggat cttgagcgac tgagtttgca gctgattcaa caggggagca 60
ctgcgggcg c ggatcaaaaa agagtgcgga agtcaagccg cccggactcg agaactccgt 120
ctatgatcca ctaacagaca cggcgcttg tccaaccg cgaacgcttg cttttcactc 180
gatcttcttc ttatctaaac ggatgtgaaa aaccttattt acattcgagt gcgcgctctc 240
gcactctcag gtggaaagtg tcgctcccc acgcg 275

<210> 33670
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33670

agctntatgt attgtaaata cagagatttt tataaaaagt gtatcctatc tagagtaggg 60
atggccaaaa naatccacgc ctgtggatat ccgcatataa catccgcaat gaatttgaaa 120
cgggtagtgt aaatggatat ccgctacctg cagatacggg tatttcatct acctattagt 180
taatgcgggtg ggggaggata tcgtagtccc ttgcaccatg ggtaccact acccgtagaa 240
ttaccaaaat aacctcatat atatataact tcgtacccat tgcccagagg ctcttcgcta 300
tgccaaggta tgggtggagg atattgtacg cagccttacc cttgcatatg canagaggct 360
gtntccggat tcgaacccat taccaaaata acctcatata tatatatata tatatatata 420
tatatatata tatatatata 440

<210> 33671
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33671

tcacaacgta aggaattgtc ccagtggcaa actgtcgata tcacctgccc tgtctccgta 60
 tcccaataact taatattctt gtcataccca gcaactcaaaa acttgggtccc atcattgctg 120
 aaacagatat ccctaacggc tntcgagtgt cccatgtaag tcctcataca cttgccagag 180
 ttgaaaacat cccacatctt aatcttggta tccatgccag cagagagaat caaatggcca 240
 tacttgggga acaacctaat agcagacacc cctttgggtgt gtccactcca agtatgaatc 300
 aatctctcgg gcatataaca atgatcatta ctgcctttg catccttgng aggcgcgatc 360
 caagacctac cttggtaatc cttctcctct ttcccatgaa aaagtgcctt atctttaaca 420
 acctcaactn ttctccctcc anaaccactc ttctc 455

<210> 33672

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33672

agcttngtg atgttgcgcg tactgatggg taccatgagg tgtttgctgn ggtttgaccc 60
 atgcgggtgt tgaagagacg gcatgggcat ctcttcctt ccttntgcc cctgttgccc 120
 cgattctttt ggcgttcagc tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
 caacctcgat tctttccccg gcaaacacca gatccgcana gctggacggc atgtaaccca 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgogca tattctntan 360
 aggtttcacc ctctntctta nacatattct gcaattgagt acggtcagga gccatatcag 420
 aatngactga tactgct 437

<210> 33673

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33673

ntctggagta gaaacatggg accaactcat tttatttcaa aaaggaagtc gtatctagtc 60

aaggctctgag agaccatata agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cggggggcgga gtacgtgtct 180
gccatcgcct tggccttggc taacaatcgg ggaagttctt gactcccggt caaggtaaga 240
gcaaaccgat ccatccacat ggttgccctt tgggtgtaaag agtcgatcac ctttcctcta 300
gcctcttttt ccgcggtatac ttggggcatat tcgtccgcaa tcctatgctc gtggggccgcg 360
gctagaccta actcttcttg gtacttggcg atgatagcta gcatattggt ctccgtctcg 420
cataaacgct gagacaagct tcttt 445

<210> 33674
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33674

cagcatccaa cttcgcgatga gcaccgcta tcactctana atcgatagat tgatggagtt 60
cctcaacagt acgttggaaac aatatctcca tgcccttctg cattccaacc cgtcgagatg 120
gggaaaattc ctcacgttac agaatggtct tataacaccg ctgttcattc tgccacagga 180
ctgtcacctt atcaaacagt ttatggtaaa cctcgtccat ccattcccca ttatttgctt 240
gggtcctcta ctattgaggc tgttgaccaa ttgctttcag agtgacaagc tatgttgcaa 300
gctctccata agaagctttt caaagctcan actgctgtga aggtgcaagc tgacaaaaaa 360
cgcatggaag tgtcctatag tattggtgat tgggtttata ttcgtttttt cccctacat 420
caaacgtcag tttccaggat gacatata 448

<210> 33675
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33675

gtcacgctt atacaggcat ggngatgtca agtgccaact attccacgcc acacactctg 60
ctctttgcct ctttngcct ntcttatact ctgccaactc ttttaccctt tctctttcca 120
ctcttttttt tcaaactaac ataacacctt gaacgtgact tccccatttg gaaccaaaaca 180

attagtccaa aatagataga taaatattct tataatcttaa ctactttttc tttctttatt 240
 tttatatcca gcttcttttt tcttttaatt tgatttggtta ctagtctctgt atattgcatc 300
 aagcattatt cttctctttt atctttccgt tttctgaatg ttttgtccat ttctttggat 360
 gctattctat aatgacaatc acggctcctt tttttcttcc ctctctanac taaaatatcg 420
 agtatatgca atccgattct tatgtagaag gtctccacac tttcctatat at 472

<210> 33676
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33676

gataactacta caatacaaag gctaagatga gcggcacgcg ccatgtattg gtagtgggat 60
 tagaactttg cttgtatctt tctgtcatcc tttacctgc acttcgggaa ctgctgccac 120
 tttcacccctt tggattcttt ccttctcaaa ccacaaagca atttgtccaa tttggatcac 180
 aactcacat acagccgatt agaaagacct tcgcatttca ctatttcttc tcttctcaca 240
 caagatacat angatcttct tcttctgcta ccttcaaaca tacaagaaga acatgccctt 300
 atcgagttac gtgactcact cacacat 327

<210> 33677
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33677

gctctttctc ctaagattta atcggattat ttttttgaat ctactctgaa aagctctaaa 60
 cctcatgaca atggaggata tacatggaga ataagatcaa gaacaaggaa ttaaagttaa 120
 ttgaccgaac aaaaagatag aggcagaaaa agaacatcac atagacaaag atgctcttga 180
 taccatatga ttagctcca tgtggagctt gtaggccttg gatcttcttc atcaattgag 240
 tcctttgctt cttgaagatt aatggcagca gaatggagaa ggaagaaaga tgattggaga 300
 tgccacttca aggagaagat gagtcaagaa caagctcacc accatangaa gccatggata 360
 aaagcatgaa ggtaggagaa gatgagtga gagagaatga gagaagaagc acgacatctt 420

gtgcctcaca tgaggtctga actntgaaat gtaattctca catgatcaaa gttggaacaa 480
 tgcacacaca acg 493

<210> 33678
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33678

atacaatcca agttggagga atcatccaaa tctgagatgg gcaagtcctc tacacaacaa 60
 cagcctgtcc cttccttcta gaatgctgct ggtccaagca agccatatgt tctcctcca 120
 atgcagcaac agcagcaatc acaacaaaga caacaaacac ctgaggcccc ttctcaacct 180
 tccttanang anntagtaag gcaaattgacc atccagaata tgcaattcta gcaagagaca 240
 ataacctcca ttcagagtct gaanaatcac atggggcaga tggctactca nttgaaccaa 300
 gctcactccc caaattntga caaattgcct tcacagacta tgcagaaatc gaaaatgtg 359

<210> 33679
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33679

cgccgcgcan cattgagacc gttnganttt gcnnnacnnt gtatacactt gtgacactct 60
 acaanactca agctngcaca gaggagcngc taacaaattt gaaacncnc tcatTTTTTA 120
 cgatttatat tcaacatctt ctcatggctc agttgaataa aattctttat taaaacgact 180
 caatccaatt gctctctata tgatctatct caacatgtaa ttttaccttg aaatatttca 240
 actacatgat taaaatgaat taccagata aaagtgatca tctaaacaca ctcttagtga 300
 ctttatccgg ctctgtact ggaattttag tgtattcgag acacgaaaaa ttacaacata 360
 cctcaaattg tgggtcaaaca atatgaaatc gacgagcaca caatcaattc gtgcgccaat 420
 tgttacccaa tcatacagag cagatcaatc aactctataa cgtagagcat cgtacaatac 480
 caagctcacc cgcacaaaat caatcacaat ttttttagtgc ataacaatcg tacagtacta 540
 tagtcaagag tacatgcctg aactcg 566

<210> 33680
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33680

tcactcctat atctcatctc tagcttgcat tntctttctt taccactcc tcacgtttgg 60
 ttttttaagg aaaacaccat aactaaacgc gccgcaaggg atccctatcg caccagatcc 120
 aaatctagaa cgatgggtga tcaaaaggag acgcangaac agatgaaagc cgacatgtcg 180
 gctctgaaag aacaaatggc ctccatgatg gaggccatgt tangtatgaa acagctcatg 240
 gagaagaacg cgccactgc cgccgctgtc agttcggtg ccgaagcaga cccgactctc 300
 ttggcaacta cgcaccatcc ttctcanac atagtaggac ggggaaggga cacactgnng 360
 cacgatggca gccctcacct gngatacaac cgagcggtt acccttatgg attgccgcca 420
 actattccca cccatc 436

<210> 33681
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33681

cccatctgac ctactagccc aattaacatc gacactaccc gttgaaagga tatnaggtga 60
 tacaccaaag cttccaaaca tggaagcaac catgagaggt gtcctctctt cataacctat 120
 nttcttcgag gcaacacacc ttccatacca aaacctacc ccatcaatat catgaccctc 180
 cttttcaacc gcatctgtga aactaaccag atcatctgct gcaaaaaact caagcaaagc 240
 tgaaattata tgatgcatcc cttcttttgc atactcctcc atgaccaaac caaattgaga 300
 atgtctccct tggaacaccg acatggagaa ataaatattc cttaaaactc ggcagatctg 360
 acaatcac 368

<210> 33682
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33682

tctatagatg ctggatcttt gattcttaat gaggtctttc aatgggtgatt ttccaccatg 60
 gagatgcagc ggaagataat agagagaagg tgaggggaga cgccatccac tagggaataa 120
 gccatggaag aatgagcttc acctccaaga gagtgccttg gataagaagc ttagagagga 180
 agcttcagtg gaggaaaaaa aagagagaga gaaaganaaa ggggggtgagc atgaaattga 240
 aggaggaaaa gagggagaga agttggactt tgtagtgtgt ctcacaagac tctcattcat 300
 caaagttaca acaagtgtta cacatgcttc tatttatagc ctangtagcc tccttaagaa 360
 aacttcttga gaagcttcct ttagaagcta gagcttagct acacacaccc ctttaataac 420
 taagctcatt tccttgagaa gatntctgga gaggctagag cttagctaca caca 474

<210> 33683
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33683

attgggtattht aaaatttcat ttttaaggtht tctntaacag ttttaataaat gggaaaatat 60
 tatatcactt ataggtacaa tgccaacaaa tcaatggaca attgtgcctt ttgcaatgct 120
 gatggtgact tcttgatagt tccccacaaa ggaagtaagt cactacaaca atttccttga 180
 tggttcaatg ttaactaaga cagtttgtgt tgggtttaat ttcattatac ttgtgtgcat 240
 atagatctct ctgcacctag ataatatgct tgttgatctg tgccaatgaa cttgggctgga 300
 cttgaatata aaagaaattht cttaattgaa ggatgcaatg catatgaatg acacatattht 360
 ttctttttc 368

<210> 33684
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33684

aagttaagat nattanagga attaaagana aacaanagat aggaagtgag ttatttnatt 60
 nntaantaat gaagagaata aagataacat gtaggtataa atatnatata aagaaaatac 120

aacttattta agcatgactt acgttatttc accactttgt cgcataacat tacctcgcaa 180
 caccacacat ttcattttatt ttcacaacat tcacgtactc aaggatctaa acacaatatc 240
 atcaagtcaa tcaatatcga tcaatacaca agcggttatgc aacatatata ctaaaaactta 300
 atcctatatg caagt 315

<210> 33685
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33685

tgctgcanac atctacaaca gacctcctca acctcatcaa caaaatcagc cacaacataa 60
 taattatgac ctctccagca acaggtacaa tcccggatgg aggaatcatc ccaaccttag 120
 atggtcgaat ccttcacaac agcagcaaca acaacaacct tattttcaaa atgctgctgg 180
 cccaagaaca ccatacgttc ctccaccaat ccagcaacaa caaaaacagc aacagcccca 240
 gaaacaaaaa acaattgagg cccctccgca accttcctt gaagatcttg tgaggcaa 300
 gactatgcaa aacatgcagt ttccacaaga gaccagagcc tncattcaga gcttaactaa 360
 tcagatggga cagttggcta cacagttaaa tcaacaacag tcctagaatt ctgatagaat 420
 accttctcaa tctgtccaaa atcacanaaa tgtgagtgcg aatacattg 469

<210> 33686
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33686

agtctacaca gtttgagtcg cacacttatt ctaagcactt tcttttctat ctttgtcctt 60
 caaaagtgag aacacgaggt gggtattcat agagaaaatg gttataacct cttataatcg 120
 attaaatatc caatgtgatc aattatttta aagaagtaat caattatatt atcatttcaa 180
 tcgattaaag tattcttccc aacatctgaa aaactttcaa aaacantgta atcgatttga 240
 ttattgatgt aattgattaa agtgttcttg ataacttctg ggaacacctt taagaatgaa 300
 gtaatcgatt acgatcatct ggtaatcgat taaagtagag actcgtgaca tatcagacat 360

ggtctcaact aaactatata attgattaaa ccgaaactag aatntctctg caagctacac 420
atactcgtgt aatcgattac gataagcctt gtaatcgatt c 461

<210> 33687
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33687

attatcttcg agactcgtat tgtgagtcag atcaaattt tgatgggtta ctgaattcat 60
attattccgg aatgaggaat gagattcaac actcacatca acatcatttg cgacaggaga 120
atccggaaca gtgtactctg taagctcctc accagagact gaggttgata aatactcaan 180
cgctgtctta tcangaatgc tggactcttc aattttctca agaggctggt cttcatgagt 240
agctgtattc gatgggatcc aggatacacc agtagatggt cttgaatgag aatggctctc 300
aacagcttcc acaaaactta cagagaaccc aacctgacat gtttctgatg ctncatgatc 360
attgctgaca tatgtggctg cgaatcatat gccaatatac caacttg 407

<210> 33688
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33688

gcttgccatg ttaaaggaga aagcatcaca tccttttaag gctganntta ttcagttctt 60
tctcttcatt tatgtgctta agcaacggaa gctgaaccaa tatacctgcg gatattaaca 120
aaccaagcct cacaataaaa aaaaaggccc aaaacaaaaa agtgtaatcg atattaataa 180
taacacatgc atgaattgaa aaagcatgtg ttcaggcatg taaagtaatt gaggcacaaa 240
aatgtgaagt taattgataa gtatgatgaa aatcgaaaag agtgtaataa gtgacgaacc 300
atgtacatca nggttaacat tcaactcgtg aacttgtttt attagttcag cttgcgagac 360
ttgttcggga aggtccacat cgaaggattt gattcccaat tcggcgcatg cctttctctt 420
cattcccacg tagctntgtg aatcctttct gttccctact atcacaactg ctagtccc 478

<210> 33689
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33689

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 agcgtaaggc ttaactatca agagcagaag caaaacgacg aatgaatgct taaccatcca 120
 tgacgaaagc ttcaacactg ctgaatcatc atggacagaa ccttacataa aaagctgctg 180
 agccaacaac accatacgtt catccagact tttcacaac actttgtgaa ccaataataa 240
 ccaacgctta accactcatg acaaaagcta aaatcatcaa aacatagcta agaggctgat 300
 gacaataacc tacaacagga caaatatcaa taccacaatg 340

<210> 33690
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33690

acataccana tgttggccta agtaatttgc tataatgtat tacggttatg tgtntaatt 60
 ngagtttatg aaaaatgaca aggaccata gcatttatgt aatgttgagt tatagttggg 120
 aggtttcttt cagtactatt attaattctg taaatcagtg atttgcctt tctttccttc 180
 cattccaata ttgcattctc gaccactatg atttcttcat agtttcttat tttcngttgt 240
 ttatccaaac aataggggtg gtcacaggtc ggattggatc agatccgtgg cattntccga 300
 tctgattcga tcaggttcaa tttggaatgg aatttgtcta gtttaagtat gcaatccgaa 360
 ttgcagtggc aaagcttccg acaaatanaa ttgactaatg tggaatatta tnggtcactt 420
 attcgcattt ttaagtaaag att 443

<210> 33691
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33691

tgccaaccag ctcgcccagg cgatcagggg tgcttctctt agaagcaata gccttctgga 60
 ggaatcttct ggaggggtca agtgggctg gttgctatct gcaccncat ttttactaag 120
 tacacccctt gccttttttt ggtgattctt ttttcgtaaa gttacggaaa cttacgaatt 180
 tcgtaacgat acttgttttt tttccgtaat gttacggagc cttgcggatt acataatcat 240
 cccctttttt gacttacgga atgttacgga acctcactaa ttgtgcaacg atgctcccat 300
 ttgattttcg gtgtgtcacg gaactttacg gatngtgcac caatattttt ttttgttttt 360
 cagcatgtcc cggaatntca caaattgcct aatgatgagt gccaaagcacc tcacaaggac 420
 canacaaaag ttgcatgtca t 441

<210> 33692
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 33692

gatagcttct gccgatggaa cagctaccgg agagacgtct tactgaccct cgtttaccaa 60
 tgtaagttct attgcgaaga aaaacttggg tgaggcaata ttgttcaata tgactatata 120
 aaggccacac atgaaagtaa attatgttct ttgatctatt gagatttggg tcatacaaca 180
 gggaaaccca tatccttgcc attaatccat ccttgcttca gaattgaacc tggaatctcc 240
 aagttggggg gcctgatcct tactcattga agtgtctgat tgggtttgga tattttgcgt 300
 tgggtgaacaa atcttcaaga acaaattct 328

<210> 33693
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33693

ntcactacag ctgtctatct tattaataga ctttcgttgt cttctcttaa ttntgaaact 60
 ccttactttg tcttacatgg cacacaccct aactattcat cgctatgtat ctttggttct 120
 aaatgttttc cttacacttg ggatgcacga cataacaaat tcgaccctaa aacccttctt 180
 tgtgtgtttg ttggatatag tgatatacat aaaggatata aatactttca tccttctagt 240
 aagaaatttt ttatctcatg acatgttgtt tttgacgagt cattctttca atataaaact 300

aattgtcacc atacaatttc ctctcctaca cagcatgtag ttagcataat tgattcttgg 360
ctacctcata ctaactccag ttcttgtgca gacctaacaa caataacaac agctnntgct 420
tccgttcacc atgctcaaat ctttaaatgaa tctcttgct 459

<210> 33694
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33694

tagatgaatc atattatttc aaggctgatt taagctttct tgagaagctt ctatgaaggg 60
tggatctttg agctttaata aggttcttca atgggtgattt tcagccatgg agttgcagcg 120
gaagataaag gaaaagaggt gagaggatgc gtcatccact agagaataag tcatggaagg 180
agaagcttca ccaccaagag agtgccttgg ataagaagct tagagaggaa gcttcaatgg 240
aggaagagaa tgagaganag aggcattgaa attaaaggag aatagggaga gaagttgaac 300
tttgaagtgt gtctcagaag tttctcaatc atcaaagttg tgacaagtgt tacacatatt 360
tntatttata gcctangtga ctaacttggt aatntcattn tcatttcatg tgaatntaaa 420
agaaatattc caagaat 437

<210> 33695
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33695

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aagaaaatcc caaagaaaaa acgtccgatt gattttttta tattatttta ttcaaagata 120
ttttttgatt attatattat tattttgcct ctttttggtt ttaaactgtg ctacgccatg 180
atagatcggg cgatattat tctaacagag attaaaagat gttacaactc aaatgatcgg 240
tggaatttta ttttattttt gattagggca gaaaataaca taaataaatg actaaagcac 300
gtcaaaaggg ggtacggaaa gtaaatgaaa taaaaataaa agcatgtgaa acaagtgggg 360
accactaagg gcacatagaa tgaatt 386

<210> 33696
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33696

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 tcttagtgga aagcctaaat gtgtaggtat gggacatagc ccagattggg ttgaactagt 120
 ataattcttt ggtgtgttgt ttcctttctt acctcttaat tatcatttgt tgttgcgac 180
 ttaaaatctg ttttagaaaa acctatttta aaaaatatta atattgattc ttgttcaaaa 240
 ggtttttata aaattgtttt atcattcaga agcaacacct actttgagta agaaaaaaaa 300
 tagaaactac tattttgcag attntgtagc tttttcttag taggttntta agcaatattg 360
 aactgcaaga ctacttgga gatttacttg aaatattatt tatcaatact tgtaatacac 420
 aaatactctt gttgactttg attct 445

<210> 33697
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33697

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 ggcgcaaaat ctgtctcttc atgtttaccc aatcagcttg ttgttcttga atgataaagg 120
 gcacagaatc tatctctgcg cgtttagcca ctcaacttgt tgttcttgaa tgataaaggg 180
 cgcagaacct atctctacgt gtttaccac tcaggttggt gttcctgaat gataaagggc 240
 gcacaatcta tctctgtgtg tttaccact tagcggttggt ttcttgaatg ataaagggcg 300
 tagaatctat ctctgcgctg ntaccactc agctcggtgn tcctgaatga taaagcgcg 360
 agaacctatc tctgcatgtg ttaccacca acttgctatc atgctttgag tcttat 416

<210> 33698
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33698

gcttattact ntcattgntt attatgaatc ttctgcagat tctttatgtn caagaaagaa 60
actaattgtg ctcatatttt ctcaattgat ttacaatttc attgaactgt cattntctct 120
tggtgtgttc ttatataccc taatcttttt ttcttttttt tttaaatagt ctttggaag 180
atgcacogct ttacctggc ttccagcttg tttaaagacc aatcagaagt ttgttctat 240
actctatagt gctaaaaaaa tggagtattt tgcatttgga attttggaatt gtttctctga 300
aatatcaaac cctgtaaata cagtttactg gtttgctcta ggtgaataga agtgtgcaag 360
tgcaagaaca attgngtagg aaaagtcttt ttctttctag ataacatana atgggagact 420
gtattatttc ggatcagata ttcatntttt agttaatgct ctg 463

<210> 33699
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33699

tttgaaagca tgtaatcgat acacatgtct tgtaatcgat ttccagtgtt ttggaatggt 60
ttacaacaac cataaaaaat ttgaatttaa atttcaaagt tatgtaatcg attactagt 120
tttaaataatt caaatttcaa atgcgaagag tcataactct tcagaagtaa ctatgtaatc 180
gattacacca ttatggtaat cgattactag taaggatttt cgaaaataat tcccaatagt 240
cacatctttt catttaaatt ttgaatggcc atcaaaggca tatatatatg tgacttgngc 300
acgaaattnt cttagtnta cttgctcaa aagtcttatc ctctcaaaag attcaaagt 360
tcttatcatc taaaattcct tggccaaaac atttgatgatt caataaggaa ttatttgagt 420
gcttcattgt acaatctatc tctntcaaga gagatntctt cttctcttct tctta 475

<210> 33700
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33700

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 aaggtctgag ataccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggtgga gtaagtgtct 180
 gccatgcct tggccttggc taacaagcgg agaagttctt gactcccggt caaggtaaga 240
 gcaaaccggt ccatccacat cgntgcctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt ccgcatatac ttgagcatac tcatccgcga ttctatgctc gtgggccgtc 360
 gctagaccta actcttcttg gtacttggcg atgatagcta gcatgttggt ctccgtctcg 420
 cataaacgct gagacaagct tcttttggac cttgaac 457

<210> 33701
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33701

tcacattctg cagaagaccc atgatatcgt caaacatttt ccccggtgga gactcagccg 60
 acccttccaa tttctcaggg gattcgactg tttcagaagc acagcttgat aacttatcca 120
 cttcctcaga attttctgct gtcctaaaac cagccactgc agcacaattt gcattaacat 180
 atggcatcaa ctatntaatt tctaattaag agatataaca acaaanaaat cccatgctat 240
 ggtcatgtga aaattcaaca tgataagatt cactatcaaa gtaatgggac taacatttaa 300
 aataaggaca ataactagat ccaactcctt aagtgttnt aatgttggtc tccaattgga 360
 attgaattct acctcagtag cttatgctaa cctttaatgt anacctttac tacatggatt 420
 actgggtg 428

<210> 33702
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33702

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 aagaattaaa tctagccacg gccacgagc acaaagtggc ggacaaatat gcccgagtgt 120

acgcggaaaa ggaggctaga ggaaggggtga ttgactcggtt acatcaagag gcaacgatgt 180
 ggggtggaccg attngctctt actttgaaca ggagtcaaga acttcccca ttgctggcca 240
 aggtcaaagc gatggcggac gcctactcca ccncgagga gatccacaga ctctcagct 300
 attgtcagca tatgatagac ttaatggccc atataattag gaaccgctag gaagtttgta 360
 ggtcactcag atcttgact 379

<210> 33703
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33703

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 gagacgctcg aattgaattc gaagcttgag caattcaacg aaataacttt ttactggatg 120
 tttattgaat ccaaatatat cgacagctcg aatagaatct gatgcttgag caattaaacg 180
 acataacttt tactcggatg ttgattggtc ctgaatatat ccacacgctc aaatgaatac 240
 cgaactctga caaattcaaa gacatacttt actcgatgct gatgagtctg aataatgaga 300
 cgctcaattg atccaagctt gacaatcaac acatacttta ctcgatgtga tgatccgata 360
 tatcacacct caatgatccg 380

<210> 33704
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33704

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 aaaacataaa aagttagcta gattaataag acaaattgaa agcccgacta gcttttgata 120
 tttttgtttt tattattgaa aaaaagatta ctgaaaaata actctaaact cttgatcatt 180
 tgtgtcaaac caaagtggca gcttaattag tttctttgtc caactcgacg tacgtttatc 240
 taaaagaagc agcaacaagg gtgttctaataa aaattcctat ataggttgga gaacgagatg 300
 aatcatgcat gatatggatt tggtaacttac gcaagaagac atagtgtggt tccagaaatc 360

tagaactaaa tggattcaag atggagaccg taccaagtat taccatctc

409

<210> 33705

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33705

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tccttngaa aggcattctt aaattcctgc aataagggtt gaacactatg agaaacataa 120

atggttaact gagtagaatt atcactctct ctctcttctg tatcactctt ttctctgggt 180

gtatcactct tctttttcat attcctttgt ggcgcctcac tattttcttt ctcttgttct 240

ctcttttctc tcattctgat ttggtcatca cacacttctc taggggatag aggtttaaga 300

gtaaacgagg aagatttggc tattcgtctg tagggctctt ctttgttacg gctcaacaaa 360

cgttgcattt gtgtagtcca cgcgtccaaa aataagcgt gagattcgtc cagtngatga 420

tatacaccac catttgca 438

<210> 33706

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33706

gaactataaa actcaactta ccataatctt ctatgcggga tgttcttttc atccaagtat 60

tcttatgaaa agcctctcta tgctntgaac cctcagtagc acttactact taactcacac 120

aactacantt tgtgggtaca cacaacctta agaagcaaca atctcctaac tagtctcctg 180

aggttcccta tcctaaatgg attctatnta agggcaggta cctaatacat ctcacaggaa 240

aaacccatca ataagcctcc ctccccaaa agatgtttat agactcatta aggctagata 300

gaattttctc tanagttcta gagagtccga gctaaggaaa ttagtataaan aaactaatga 360

tatatattta caattgttga gaaaagtccc ttangaata aatgttctaa tgatgacaaa 420

caccatgaag cnaacacaaa tactaactta gttactaatg 460

<210> 33707

<211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33707

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 gtgaaaatga gaatgggtaa atttgagca aactctcact tcaaacaagt ctatatcatc 120
 aatctaaact tgctcaaact ggttttacgc ctaaaattcc accgaatcaa aatttgactc 180
 ctcaacaccc aatttttacc ctagacatgg ttcttgctt cactttgggc atttgtttc 240
 ctctcttgca cagcccaagc tttctcataa gtccctaaatg acatttcaaa ctaagattaa 300
 ctcactntaa tctccattta ccaactgaatc cagatttggc cttccaaacc ctcanagcat 360
 cacactnttc cactcacagg actacattct cactttctaa ccctangtta actctaccct 420
 tcatccctag tagttntcca tcagcaattt cagtacataa acatcacaag catcatcat 479

<210> 33708
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33708

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 tctgagagac catacaagtt ttctagcgat ttctaattat gtgggccatt aagtctatca 120
 tatgctgaca atagccgaga agcccatgaa tttcttcgag ggcggagtag gtgtccgcca 180
 ttgccttggc cttggctaac aatcggngaa gttcttgact cccgttcaag gtaagagcaa 240
 accgatccat ccacatgggt gcctcttggg gtaaagagtc gatcacctt cctctagcct 300
 ctttttccgc gtatatttgg gcatactcgt ccgcgaccct atgctcgtgg gccgtggcta 360
 gacctaaact ttcttgggtac ttggcgatga tagctagcat gttggtcttc gtctcgc 417

<210> 33709
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33709

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gatcatcata gaaggtagga gcaaagtgtg actccaaagc ttgcaacagg gaggaacaca 120
aggtgattaa gccattgtga aacatccatt gaaaccaact aagagcaggt ccatccatgt 180
aaaatgaggc catggtgatg cgctcctcgt cgaggggtgtt atggtagtaa aaaaattggg 240
agatcttgaa gatccatccc atgggtgtcgt ggctgctaaa acaagggaac cttgagcttg 300
atatgtgggc gtggatgggt atgagatggt gatggtgtan gagaaggggt gggctgagtt 360
ggagctggtg tagttgttcc tgaatggaat caagacgaat gtgaggtcat ggtgggcgtc 420
aatgaaggtg gattgattct gtgtgaggag gaggatagct tcttctaatac gatct 475

<210> 33710
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33710

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gtaaaaaat tatttttggg aatataattg tcagttgatt tttgtggggg attctattgc 120
gataaaactt gtttcccttt tggattaata actatcttgg tttgcttggc catttgaatc 180
tgcttttgaa gttctgtttc agaatcgtca tcagattctg aggcaatttt tgcccaagtc 240
tttntggcta agatggnggt tttggtcagg cccatttcta ggagagctta tagtgtttct 300
actgaccaag catagtcggc cgatgtttgt ttggcgngt ccagtttgng ggtttctga 360
gtggatgact cangtttgac tgagatta 388

<210> 33711
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33711

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agtttagcta cacacacca tctaaaaact aagctcacct cttgagaag ctagagctta 120
gctacacacc cctataatag ctaagctcac cccatgacaa aaaaaacatg aaaatacgaa 180

aaaaatccta ctacaaagac tactcagaat gccctgaaat acaaggctaa acccctatac 240
 tactagaatg gccaaaatac aaggcccaga agaagaanac aacctattct actattttacg 300
 aagaagagtg gacccaacct tggcccatgg gctcaaaaat ctaccctaag gttcatgaga 360
 accctaaggc cttctttatc aactctagcc caatgctctt ggagcctctt gctcat 416

<210> 33712
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33712

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 ctggagatat gtcgcgngng tcaggagacc ttngaaacgt caggtggggg gctattgccc 120
 aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag tcagtcagtc agaacctgtg 180
 atgtacctaa acaggcgagc tcctngcagc caacagataa aaggaacaaa gaccacaaag 240
 caaggaggct tgtgtggtgg ctggccagct gtgaaacttg attgatatat gggatgtggc 300
 ctctggtaat cgattaccan aggtgggtaa tcgattacaa ggcttataaa tgaagacagg 360
 aggctaagat ggtctctggt aatcaattac cacgngtgt aatcgatac 409

<210> 33713
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33713

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 agttgcgtgc tgccccctct ctctttctct ccctctgtct ttacctccat tgaagcatcc 120
 tctccaagct tctatacaag gcttatcttg gtggagaaac tccttcttgc atggcttatt 180
 ccctaccgga tggcgctcc tctcacctct tctactttgt catccgctgc atctacatgg 240
 tgcgaaatca ccattanagg acctcattga tgctgagaga tgcagccttc atagaagtcc 300
 acaagccagc ttccatcaag tgatatcaga gcacatga 338

<210> 33714
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33714

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 tcactttggg taattaacat gaaaaatgta tcgatatggg caaagtgaaa aattacattn 120
 ttaaagatgc gtttttcact ttaaaacgat tgaacccttt ctttctttct ttcttttttg 180
 ttaaagatga cagattcaac ggccgaaaca atagacataa actttaaaac aattatataa 240
 ttatgattgt tttggatata tcaagctcaa acaatntgta gtggcctttc ttttatagaa 300
 gaacccttca aaagagaaac aaaggatcta catatgtcaa a 341

<210> 33715
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33715

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 agaagaatgt ggcatttacc ttgggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttccttgagt ttctaaaact tttgaactag 180
 aatgtgatgc ctctggagtt ggagttggag ttgtattgta acaagggtgga caccctatta 240
 cttatttttag tgaaaaactt catggtgccca cctcaacca cccacatat gataaaatgc 300
 tttatgcctt aataagagcc atccaaactt gggaacatta cctttgttcc aaggaattnt 360
 gtattcatag tgatcatcaa tcaacttaagt a 391

<210> 33716
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33716

gggaaatcaa gataatgttg atattaatta atcacgcttt attatgtaac attattttat 60

aacgttttag aagtagttaa aattatctat aaaaaaaagc aataaaaatt ataaatTTTT 120
 ttacaatatg taattttaaat taattttatac taataaaaaa ttgtgTTTTg aaatatatat 180
 taattttaagt ttagaattct attgatttaa gttttgaaat atgtacaaca ataatatTTT 240
 aaagcaataa ttgactttgt gatatataga gtgggtatta atcgatcaaa tttgatctaa 300
 aattatcttg cagtgtTTTT cttttagtta aaagttactg taatattaaa gttcaaaata 360
 agaatttttaa aaataaaaact gaagatngtt tgccttatat ggtacgagtn ttttttcata 420
 tagtcccgta ataattgact tatgtcattt atntaagatc agat 464

<210> 33717
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33717

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 atatatatg tggccagcac atattcatga cccttagatc gcttagatgc aactgatgc 120
 tagaatggca gagttaagtt catgacatgt ctacagctaa ctcttatggg atgaagatag 180
 agattaataa atggaataat atccactgca ctataaagag actatactct ctgatctcta 240
 tataatatat taggacacac catagactaa tgagagatct ctactataca aagattacgt 300
 tgaccctgtg at 312

<210> 33718
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33718

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 cgacagtcac cgcttttagga gcgctgtaca ccagcagcgc ttcgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg attntcagga 180
 ggaaataggg caccggcggt gggcaccact ggttactcct atggccaagt ttgatccaga 240
 aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcggtg gtgacatgag 300

atcctgngtt aggggtcagt ggatc

325

<210> 33719
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33719

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attgaaggaa gaaaaaggga gagaagttga actttgagtt gtgtctcaca agactcccat 120
tcatcaaagt tacaacaagt gttacacatg cttctattta tagactacgt agcttccttg 180
agaagctttc ttgagaaaac tttcttgaga agcttccttg agaaaacttc cttgagaagc 240
tagagcttag ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt 300
aagaagattc ctaacgaagc tagagcttag ctacacatac ctctctaata gctaagctca 360
cctccttgag atgagaagct agagcttagc tacacaccn ctataatagc taagcttacc 420
cccatgacaa anaacatgan aatacaaaaa anagtcctta ctaganagac tactc 475

<210> 33720
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33720

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atgaagattc ctaaagtagc ttgagcttag ctacacatac ctctctaata gctaagctca 120
cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc taagctcacc 180
cccatgacaa anaacatgaa aatacaaaaa aaagtcctta ctacaaagac tacttaaaat 240
gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac aaggcccana 300
cgaaggaaat acctattcta atatttacia agataagcgg gctcactatt agcccatagg 360
ctcgaaatct accctaaggc tcatgagaac cctaggacct tcccttgat ctctagccca 420
atctacttgg agtcttctac ccaatgccct tgcggagtag gattgcatca ctctctttcg 480
tagcttctat g 491

<210> 33721
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33721

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 atctatctta ctttctactt aagttatgaa ttcccttaga gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaactcag ttgtatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaagca acccgcttga gagttccact aacttgtaaa ttctttttac aagttctaaa 360
 cacacaaggg acaacccttc tttgtgttag agatttctac aacaagagac tcacagtctc 420
 ttaatccctt agagaatgag aagaagaaga ggaacaaatc tctcttgaaa gagatg 476

<210> 33722
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33722

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 cttgataaag gtttaatccg gaaaagcaaa agcccggtgt cctgtgcggc tttttatgtc 120
 aacaaacatt ctgagcttga gcgtggaaca ccccgtttag tcataaatta caaaccactg 180
 aaccaagcat tacaatgaat tatgtaccct attccaagca aaaaggatgt acttaacaga 240
 ttaaattctg caaagatatt ttctaaattt gacatgaaat ctggattttg gcaatccaaa 300
 tccaagagtc agataggtag aaaacagtgt ttattgtact tttcgggcaa tacgaatgga 360
 atgtgatgcc attcggacta aagaatgccc cttcagagtt tcanacaatt atgaatgata 420
 tttntaatcc ctattcaciaa tttgtcattg tctacataga tgatgtgtta atcttttccc 480
 acaacattga 490

<210> 33723

<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33723

cggcggctgg catggccatt atcaccgcac gtaaagtgt tgatttggct tctttcacgt 60
taaaattatg gattgataat ccgtaagttg tatacaattt acgaattgat aatccgtacc 120
ttgtatataa cttaccaatt gatcatccgt atgaacctta cngattctca atctataagt 180
cccttttaat ttgttttaat attctcttat tgacaatcca tatgacttat atagattgct 240
gatcca 246

<210> 33724
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33724

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tatcgagacg ctcgaaattg aatggtgatg ctctgagcaa attcaaacga caataaatct 120
ttactcggat gtctgattca gtcccgtcac atatctagat gctcgaaatt gaatgttgat 180
gctctgagaa aattcaaacg acaatatctt ttactcgca tgtctgattc agtcccatca 240
catatcgaga tgctcgaaat tgaatgttga agctctcagc caattcaaac gacaataact 300
ttctaatecg atgtctgatt gagttccgta atatatcaag acgctcgaaa ttgaatgttg 360
atgctctgag canattcaaa cgacaataac atcttactcg gatgattgat tgagtcccg 420
attatatcga gacgctcgac natgaatggt gatgctctga 460

<210> 33725
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33725

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tgtctacctc tatccactta ctaaaaattt atgccccagc actattcctt ccttgcccat 120

gaaatgacat tttctcccat tgagaactaa aatagactct tcacatcttt ataatactct 180
 ttcaagattt gatacgact catcaaaaga tggcccaaca acagaaaaat cattcataaa 240
 cacttcaatg cctttttcca ccatatcaga gaaaatngac atcatacacc tctganatgt 300
 agatagggca tgcacagac cannaggcat gcgcccatac gccagtacac ccaaanggca 360
 cgtganagta gtctttctct gatctttgcg atctacaaca ttctgattat agcccagata 420
 cccatccata naacaatant aagaattcct ttgcgagtct ttcangcatc tgggccag 478

<210> 33726
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33726

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 acattggcat ggagagcctc ttgaacatct tttctattaa gatatgcgta cacataattc 120
 tcactacatg gatcagtcac aatctgcaaa acaaataaac atgggttcaa ttctagttaa 180
 gttcatgctt catgcaatgt tgagttttct aaaatctatt aggccagcca aatatttgaa 240
 gcttactgtg ttctttttgg gcagggctgt gagatttgca ttcttgcata gtggagcata 300
 aatattgtat aaatcaatgt attcaatatc ctccccaagt tcatctccgg ctgcatcgca 360
 cacactntcc tgaatctttg atgatgatga atcacaagct ntgttgagat aagctgctnt 420
 gtctgagatg attgcatggc tggcaagata atcatacagt ccgtccgagt ca 472

<210> 33727
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33727

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 tggatgagag gaagtgtgat tttcgaaatc tgcactttgt gcagattttt gctgtgaaat 120
 tgtgcagcag gattttgcac aagtgcagaa aaatgctatg tatttgctgg ttgtggaaag 180
 agtaatgtag aatgagttct ggatgtttgc tagtagatcc caacggtcaa aatgtangct 240

tatgtactat agacttctag taaaatgttt gagttgatcc aacgggttaac gaattggatc 300
gaaggaattg ttactggggg ctataagtga gaaaagctgt gattntgggt ggtgtgttga 360
gcagagtttt ctgcctttgc cctgttntgc ttggctgtga tagctngtgc tgtttgaatg 420
ttgctnttct tggat 435

<210> 33728
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33728

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gctaaagata ttaaagaagc tctcctagga ggcagcctag tatctctaac tttgctcttt 120
aatttcctgt ttcatacttg ttctttttct tgaactatat cctgaattcg cctaagttta 180
tatgcaatta taggatttta agagaaaaaa tataacaatg aataacacaa ttttgtaaag 240
gattttcttc accaaaaaaa taataattac ctgcgttggg cgagtggcca gctcgcctan 300
gcgagcatgg ctatggtgaa aaacataaaa aggggagggg tgaagccatt ntcaccctat 360
tcttgcccaa aatcaaaacc tccncaaga gcttacggga gccaccattg gcagcagccc 420
ccaagcttcc tttgtgcact ttttggttca tttttcaca ttcc 464

<210> 33729
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33729

gattaaatct gtatgtataa cgaattctta ttaatggatt tcaattntag gtaaggctca 60
taagggtacc atgacaaata atctgaatgt tgcaatcaag catataatca atgatgatgg 120
aaatgtggac acttttgtca gacaaattac aagcttatct catggcagac accctaatat 180
cagcagttgc aaacaatcac agtttacttg gtgccaactt anagtggaat taaacaagga 240
atatacttaa agtgcataaa aagttaaata atgctcaaaa taggcaatcc tagcttaaat 300
cttacccttt ccttgatgtc acccanagtc ggcaagtaca acttataaaa ttctctctca 360

aatgcaacca caaacctaaa taaagtttag aaaccagcaa gaataagaca attaanatat 420
gtgaattgta taaatntaag ggacaacaag atacatctac tatattatna gtatttca 478

<210> 33730
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33730

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gtatgtatac atgattntga tgatgtcaaa agaagaatca aacaaggctc attntgcttc 120
aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc ttcaagatca 180
agccttgctc cacaatgaaa ggtttcaagt cattcaaggc acatgtaatc gattaccaat 240
acatgtaatc gattaccaat ggtttgaaag tgtgtaatcg attacacatc atatgtaatc 300
gattaccaga gactctgaac attgngaatt caaatntaa atgaagggtc acaactgttc 360
aagaaaaaca attgtgtaat cgattacact aattctgtaa tcgattacca gagaggattn 420
tcaaggaata tcgtcaacag tcacatctta tcat 454

<210> 33731
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33731

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attgcatctc tcaactcagta ttacgatcag ccgctaaggt gcttcacgtt tggggacttt 120
cttctagtac caactgtgga agagtttgaa gagatcttgg gatgtccgct aggaggaaga 180
aagccatatc ttttttctgg gttctatcca tccatggtga gaatagccaa ggtagtcaaa 240
atctcggcgc aagaattgga ccgagtaaaa caaaatagaa atgggggtggc cggaataccg 300
aggaagcact tggaggagaa agcgaaggct ntggcggatc aaggatgaatg agctntgttc 360
attgacgtct tggagctatt ggtatttgga gtagtccttt ntccaaatat ggatggattg 420
gtggatntag cagcgatcaa cgtcttcctt gcttatcacc at 462

<210> 33732
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33732

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 aatagaaata tgggtgctaac tntaagtggc ctanattagt aaaaggacat gctcccactc 120
 tgaatgatac ttcctcataa aaaacaaacc attcattttg agggaagaaa aggagaacaa 180
 aataagaaaa agaaatggac agagaaagac actcaggcta aggatggtac taactaagcc 240
 tggggttaaa cagcttgtct ccatgtcaat aactaaacaa ctgtagagga tgtcccattt 300
 atctaattca tctttgaata gaaatggcat tcctgacct tctagacatc ttcatgagct 360
 tgactagaaa tctccggttg attatccaag ggcatgtatt gngccataat tgcccttacc 420
 tcagagtcca tatatctctg cagaaaaata tttctcatgt aat 463

<210> 33733
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33733

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 atccttacta tcttaggcaa ggaaattatg gactgaagag agggaactag gactactgga 120
 tgagttgtta ggaaaacaat gctcagtatt tgaagtcaca ccatgcatac aagtcagcct 180
 attatgtgtg caacanagac caaaagatag gccagacatg tcattagtgg ttttattggt 240
 gaatggtgaa aaattattgc caaaacaaaa gactcctggt ttttactctg aaacagatgt 300
 tacttctgaa gcaaaatctt catcggtaaa tcacatgcta tgctcagtaa atgaacttta 360
 cattacaatt ttagatgcaa aanaggaaac agaggcaaga aaatgccaaag gggtcacctt 420
 caaatgtggg atatatcaat tatgttgagca ttcataacta gtaaaagttg tactatgang 480
 ctcta 485

<210> 33734
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33734

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tggttttacag gtaagggatg aattcattgc aattgggggt taggatgaac atgaataggg 120
atccttatag gattaaattg agatttattt taggatgttt attgaattat aattttcttt 180
tacaattata aatacaatat ttttttgttt gacggaccaa ttgatgtcct gatgcgaatc 240
ggttcataaa attgaatgtt cttgttgttt catatctttg acctatgatt ntgattcatt 300
tattttaata tgatagttag aaattatttg aggggtttta ctctccatgt tgtgaanaac 360
gttnttgtat aactttntat attaagatta tggaatgatg attcacattg tgagtaagtg 420
acaaattgaa cttgtgatga atgggtgatat acatgtgtat tgagat 466

<210> 33735
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33735

tgatgactat ggtgtgttgt gggacttctc caccaatgta gatctttaat tnttggccct 60
tacctaacta gccacgatct ttggatttgt cttctatctt tatagctcca tagggcttaa 120
cgtctttaat agtaaggggg ccaactcttc tcaattgtaa ttntcgagaa acaactttaa 180
tcttgagttg tagagcaata cttgttgtcc aggcctaaat tctttgagga ggatattttt 240
ttcataatac ctcttggttc tttcttttga gagcttggat gattcgtagt ccttgagtca 300
aagttgagaa acttcatggc tcaatgagct tttatttcta ataccactgg taggtggcat 360
tctttnttgt acaccatttg aaatanggae aggccaatgg gtgttttgaa ggttgttcta 420
tatgctcaaa ggcaatcatc aa 442

<210> 33736
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33736

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 aataaatcgc tatcttgact tgattataat gactaagcat cataaattca ttacttttaa 120
 tattctctac acaaaactta aatgatatta atgtaataat tattttctca aaaaggaaca 180
 agtatgagaa aatttttaca aatttctata taatttaacc gcaaaatata ttcttaatta 240
 gcagctatca tcagccttct ttatttatat gttgctcaac ttgacaattg ttatccaatg 300
 tgatacttca ccttcatact tanactctaa caatattcat a 341

<210> 33737
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33737

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 tgaataacca gtaaccaaag aaaagcagag gtaaaacttt taaagaataa ccaataacca 120
 aagttgtata aagaataagc agaggtgaag aagctaggta ggctctactt ttgaagtgg 180
 tactggttca gtgctgaata accagtaacc aaagttaa atgtccatttac tcttactctg 240
 atgctagttc ataacatggt atatgtttgt tctttttaca gcttggaag cctgggaatc 300
 aattcatttg atttaagtag tttatgcatg gaaacgtgtt aaagaatgat aattgaatca 360
 ttnttttatc tagtgtatga gcatgtgaaa taacaaacga tgtcact 407

<210> 33738
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33738

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 tttgacattc tattaggttg ttgttggtgt gatgaacctc tatttgaagg accatgacca 120
 cctttataac cttggtaatt ccttttgaaa cggttggtgtg gtcaccttg attctgcata 180

tagtgtaactt ccttttcccta ttgatagtaa ttggatgttg aacaatgacc attctaataga 240
 ttaccttcat agaaaccata actaagtact tgttgaactt gatgatgttg tgatttgtga 300
 gagcttcccg attaaagttg tcgaggaagt tgaccaatct actntgttaa ggctnctaata 360
 tgttgactta tgagcatgtt ctgaactaga attgaattcg gagtatccaa ctccattatt 420
 cctttcctgt gaacatgagc cctatcatga tgacctttga taccactagc t 471

<210> 33739
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33739

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 tatgctctat tcatgtgtat ttaccattca ctatctaagt gtgtccccta gctaattact 120
 acataggttt tttttatata ataaaagtgc ccgaaataaa gtaccagtat ggcaaacaaa 180
 gctaggcaca ttctgatatt tcttgctttg gaattcttat gaacactacg ataaattata 240
 caacaggagg aatccaggct aaaaggaata gaattcctga aataattatt atgacctttc 300
 aaaaagtggg ttcttttaca aacgattgaa gatggactag ttgcgagctg gctcttgcac 360
 gatgcatttg gaattacttc aacagcacga tgagcangaa tgattcatcc aaacttgtac 420
 aagaccttaa canatcacag acatgtgtgc gt 452

<210> 33740
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33740

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 aagggtgaact tgacacaaaac ctttgggata aagcttttta ttctcacctc gaaaaagctt 120
 taactaattc agaataaaca agcaatttca aagacataaa aggagtgaga tttgagttct 180
 gaaatgcttg aatgcattca aaactctcat tggaaaagaa atccatgtct atgaatttag 240
 gatcgataat ggaacgagag gagaaaaggt ttgtgtaccg tatccgttgt tcttctgatg 300

agaacagcaa ggaagaggaa atggaggagg gaatctatgt ttcctgagcc tcgaagtgcc 360
gctggcttcg actcgaagaa cccttgctgt nnttttatgg ttccttcatt tgagagagtt 420
atntgaaatt tcaatcgggt aaagtgatag agaatg 456

<210> 33741
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33741

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aaggctattg tgcaagcaat caatggggca aaacacacca aatgattata atgatggatg 120
gctcaaattc tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa aactatcatg 180
acatgtagag aagaatcaag gatttcaagt cacaaaatgt caagaacttt tattttcaaa 240
acaattaccc atttcttgaa catatcctat aattcaaaga aaaacatgca aagtcgtacg 300
tgcacacaaa attgacccan aatattaaac taaaaatccg acgaaactaa caacattaac 360
aaattaacac aactaacana ttaacaaaac catcaaaact agcanaacca aagaacactt 420
ccccccatac ttaaacaaca cattgtcttc aatgtagcac aat 463

<210> 33742
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33742

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tctatctggn gcctcaagtt tggaagctga ttaactatcg aatgaataat agatagatag 120
gtgcttgctc cccgaccatc tottaciaag tcaataataa tggtgccttt atattgtttg 180
ttgctagagt tattcattta tttatgctta caagttacaa catattgaat actaatgtca 240
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cttatacgaa ggtcaatgcy ttaaataatt cgatattcat aagaataatc ttatcactca 360
atacatatat agtcatatct cattcaaaca gaattaccta aactgtaat ctataccaaa 420

aaaatatggt gcagaaacaa attacgaaat ttagttcttt atgtaaatgt agcattatgc 480
tatttaata 489

<210> 33743
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33743

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gtagtcaaag agaagttcaa gtccatagcc atcacagtct gaagagagta tgatgaacta 120
agggacgtca atatggccat cgatgaagcc ttggaatgag aaaccaagat agcccgacag 180
gaaaaacacg accaacacaa gttntgaggg gctttatagg gcagcaatag tgagctcaag 240
ctccgaaaag gtgaaaggaa tcatcacggg tcaaaggcat gatcttgaan gacgagctan 300
aggcttgctt tacgtcgaan agaaatttgt cccaacagtt aagcgagact gaagggaata 360
tgtggggccat catcgatgag tgcaaagaga agttaaatct agcggcgact cacaag 416

<210> 33744
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33744

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ggtcctgcaa aaacctggtt cgccccatca cegtctgagg accccaccgg tgccctgttc 120
aaactcactc agacgggttc agtgccaaca tacctgaagg agttcgaaga cttggctatt 180
agaattattg gcttgatggc ccccttcttg ttgagttgct tcatctcngg tttgacaccg 240
gagatccgcc gcgcagtcca ggcccatcag cctatgactg tggaccaggc caccggcctc 300
gcgaagctct aggagcagaa gctgtcggac tttcgtccac cgtctcgttc gcgtccaccg 360
ccactggccc ctcttccttt gtgttccaac ctgcttccac cgctcttgcc attgcgacaa 420
ggagtaccac agagggcatc gntgcgcctc tcggtttctt ctccttatca cggac 475

<210> 33745

<211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33745

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aatttananaa aaaacagaat taaaaaactt attaatcctt aaaatttcaa tttgataagc 120
aaattttattg tctgaacaag tttgaattaa cattttctat ttgaaaactt atactcaaaa 180
tattcttact gagattttga aaatataaat ttattttataa tgttataaaa aaaatttaaaa 240
ttgatctatc aaatgtaatt atgagatgat tttcctatat tttaaattaa tataatatct 300
atgcacactn tttattgagt atatgtataa agtaattgac aatctatgac aatgtgatct 360
ttnttacatt gtttgtgtat tttaattaaa tntacatatg taatataatt aaacattcta 420
caataatnta taataataaa tacttaagaa tgcattaata ctaattaagt tag 473
  
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<210> 33746
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33746

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ggatttactg atccttgttt tgtttttaac taatggagca ggtaaagag ttccatagaa 120
gagatggttt tgaggtagca agtgetgaca agatggctaa gtcatgcatg gtttattttg 180
aaatgcatct atccctaagg aaaaaataa ttacaaaagc ttttaatggt agttatagta 240
tctacaagga aactttntgt aaccaggtct attgcctttn tgtttgagta actggacatg 300
cagggtacaat aattgttgtt gaagatgaca agggacctga aagaggaatg ccgagcttca 360
attctgagtt acccaattcc aattcatggt aaattttgtc ttgcaatag ttcttgata 420
ngcttntcat atgtggaana atcttgttca tttgtcaatc a 461
  
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<210> 33747
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33747

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tgggaataag tgtgggggaa ttttgtttca ctggataaca tgttttgttg gctatgattc 120
atgatgtatt ttgggccata cttgatgtac attttatatt ggttaaagt tggacatgct 180
aaatgagatg ctatttctca naggctacag agcaaaaaaa aaaaatcgaa agaaaaagaa 240
aagcaataaa gttgagttaa taagatctta aatggcaaaa gaatgattag actcttggct 300
ctattcttta tgtttanaat ttatcttttag ctctttttat tcntttttca tttttttctt 360
aatatgcact tattcccat t 381

<210> 33748
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33748

tcaaccact gataatagga catagactaa aatacagttg gtagtattnt taggaattca 60
attgatatat gatagtggtc aataaacata tatgatttct aanagcttac atgttgacat 120
tgactattca gtttatacct atataaatta tctaattttg gtgagggatt gatgttgaat 180
taaaaaaac taacggaaga tgtaaaaaat gaaagtttct ttagccaaaa aaagaagtaa 240
tccttaatag catgtagaaa tgtgggtttt ctgtctccga ccgagtttgt tttcttctaa 300
ttggatcaaa atattttaac aaaaattgca ttntgtgcac attcatttat aatatgtaaa 360
ataaataaat aaatttaagt ctttgcacac attnttcagt catntttttt caatgtccct 420
tatntttta 429

<210> 33749
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33749

tatgactcgg tcaattgaga attcttgatt tacatgtttg gaagattgag attcaatgag 60
atatgggtca aatggattaa ggggtgcttg atgtctacta nggtatcaat ctttgttaat 120

ggaagcccaa tgttgaatt tatggtatca aaaggattga gacaaggaga tccttttagat 180
cccttcttgt tcaatgtgggt tgtggaaggc ttatgtgggt tgatgaggaa agcattagac 240
aaaaaattag attctagttt caatgtgggg aacaaaggag tgaagataaa tatccttcaa 300
taggaggaca acacaatctt catgggagag gctaccttgg ataatgtcct aaccatcaaa 360
agcattctnt gatgc 375

<210> 33750
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33750

tatattagta aaataaagaa gagaataatt agtgctttga aatagtgtga cctacaactt 60
ttaatctttg attatgaaga tcattntgtg aaaâagtgag ttatgattct ctcttgagtt 120
caagaagaca ctcatcatt taagcacggt tcttgcaaag gattgatcgg gttgtgtcta 180
tcgttgactn tattttttcg tgtggtttac accctattag tttgtgcatg aattactgaa 240
ggcatgctgg aataggtttt tctagtttgg gctaaggtta ggtttctctt aagttcttat 300
tcacaaagga ccctanggtt aggtacctta gtctcttttt tgggggtagg aactgagatt 360
gcttgtgatg gtttgtaaga attctatatg gatagtgaan atctaattcg ggtttggata 420
aataactgga tagcttctct aatat 445

<210> 33751
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33751

tgctaaccce tggaagctcc taatatctct tacacttttt cgggtgggcc attcttggat 60
ggccttgatt ttctcatttc taccaactac aaaacctaag aaaactatat tatctacaca 120
aaaggtaacac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180
cctgagatgt cctaagtgat catctangct cctactgtac actaaaatat catcaaaata 240
aacaactaca aatctacctt agatccctta agacatggtg cataagcctc ataaagggtgc 300

ttggtgcatt agtgagccca aaaggcatcc ctagccattc atacaaacca nacttgggtct 360
 tgaaagcggn tntctactca tcaccctttt tcatcctgat ttggtgataa ccacttttaa 420
 gatcaatttt tgaaaagata tntgcaccat gcaacccatc aa 462

<210> 33752
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33752

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 gcatcactag aaacacggct aggagactct tgaaagatta gactagggat gcagaagaag 120
 gccttagggg tctcatgagc cttaggatag attctgggcc catggactaa gtatgagcct 180
 acttatcttt gtacaaatta gattatgggg tattgctagg ggcacccagc aacattactg 240
 gtgcacccaa caattnttta gaattcccaa aatacccatc accgtatttt tttctacaaa 300
 aagttgggtt atttcattnt tgtttacatt gttgctttct ttgtttctcc atggtagtgc 360
 tgtgcgggtat ttggagcttt gagagagttt angggtgttg tgcgaatcgg caagtgtacc 420
 agatcgacac agtagtataa aatggtaaga atcgagtatc gaactctcgg ngaacttg 478

<210> 33753
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33753

tgtagaatgg ctagacatga tacatgtcan ggcttgggtt ggttcaagga ttttatggat 60
 gcccacatt atttccatga cacaaatgca aaaaatgatg atttggaat tttatgcaaa 120
 actggtcatg catgcgcta tgcggacgct caagtgtcaa atttttatgg tcatgtgatg 180
 ctagggctca cgattcattt cctctattct agtcaacca atatttcaa aatatgttct 240
 tttatcaatt tgtgcattcc tccaagtcca tttcgggogt ccgngaaat tttcacagca 300
 ttcacccttc aggtgtagac acgttttttc ttcaaaaatc gggtatgatc aatgaatttt 360
 ttttcaaaga aaagttggaa atcatctctt ttcaaaagca tgctgatttt tagctagaca 420

acttatttttc tc

432

<210> 33754
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33754

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tttagccttc tcaatgtatt ctgaacaaaa ttcaatggct tcttctgcaa tgtacctctc 120
aacaatagat gcttctggat gatatagatt ctttgtatata ccttttaaga tcttcatgta 180
tcgctcanac gggtagatcc accgcanata aacaggacca caacatttga tttgtgtgac 240
cagatgcata atcaagtga tcatgatgtc aaagaaagca gggggaaaat acatctctaa 300
ctggcacagt ataattgcgg cctcattntc caactcatca aacttgacag gatcaacgac 360
tntgctacat atggcatgga agaaaaagca caggcgagtt atggctaacc tgacttttgt 420
tggcaagatg tctcgtataa ccacggctaa caattgggtgc atgagcatgt ggtaatc 477

<210> 33755
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33755

tganattgac aacggaagct gtcgaganat tcanatgttc ataactntng tcaagaaggt 60
cagattcagg cacataatat atcgagacgc tngaaattaa ataacggaag ctgtcgagaa 120
attcaaagtc tcattacttt tcaactcggag gtccgagtcg ggcgcataat atatcgagat 180
gctcgaaatt gaacaacgga agctctcgag aaattcaaat ggtcataact tttgacacgg 240
aggtcagctt caggcgcata atatattgag acgctcgaaa ttgaacaaca gaagctctcg 300
agaaattcaa atggtcataa cttttgaccc gaaagtcaga ttcaggcgca taatatatcg 360
agacgctcga aattgagcaa cggaagctct cgagaaattc acatagccat aactnttcac 420
tcggatgtca gattcaagcg cataatatat c 451

<210> 33756
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33756

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gacaattctc cacatccaca aatcacgtat aaacccacca tcccctgttg cccacctcca 120
actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180
tcaatcctct caagctccca caacatccaa gaaattcaac atcccatcat cacaaactaa 240
caaaaccaag caaaacaggg caaaggcaga aactctgccc aaaacacaac tcanaatcac 300
agcttttcac atacaaatac cccagtaaaa tttccttcat tccaattcgt taaccgttgg 360
atcgactcga anattntact aggagtctct agtacataag tctacattnt gaccgttggg 420
atctgctagc anacatttag aactcattct gtactactc 459

<210> 33757
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33757

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tacgatacctt tttctcacat cttgactgac tcggctatat catagcaaga gtgagtgaca 120
agttagccat aatcgggggg aaggcgcaga acaagagatt tgagctgtga acaagcaaaa 180
caaggaccaa cacctgctaa agttggtgaa tatttgacta gagagttggc caaagttggt 240
gtatatatct ataccgcagc ttttcaaagt tccacgaaat attgtctatc gaaatagacc 300
tacggagtgg aagaagacca accaaccatt cagaaattca gataaaacaa gatatgccaa 360
tcgccaagta aaacttgacg tacacgaata aattctctga agacaacnac tatttatata 420
cgacatctag agtttgcaac ccatactcat canataagaa tatatactct c 471

<210> 33758
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33758

tgtctccaca totctatctt cccatntatt ntctttatcg actctccaac tcggactata 60
tcacctaata atgcatgcac tgaggcactg actcttacat atgctcagta aacacatcca 120
agaccagggc aaaatgctag gagctcaaaa ttgaccctta acagaattta agtaatcctt 180
tgacaaccct tgatgcaaag ctatagttgt atgaaaaact gtcattatca gaaaattata 240
ataggatagt caaatatcct ctgttttagt ntgggtggaa cttgctactt agtttgttga 300
aattactgac catgacatct tgcttggtat taatgtttat agaananaat gataagtgc 360
atttcatttc cagaagttgt ctanaattct caaatntgtc ttccatgttn tactcagttc 420
ttcaacttct gtaacaatga taaactntta atctcat 457

<210> 33759
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33759

cagcctgaat ggcgaatggc gcctgatgcg gtattttctc cttacgcac tcgtgcggtat 60
ttcacaccgc atatggtgca ctctcagtag aatctgctct gatgccgcat agttaagcca 120
gccccgacac ccgccaacac ccgctgacgc gaacccttg cggncgcac gaataataact 180
atccttgatg tatgctagtc cgacgtaatc aagatgagct cggcttccat cgtcatcgac 240
ggcgataaca gacg 254

<210> 33760
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33760

ntgcaagtaa ttgtaacatt aatattgtgg caacctatca ttctataga taagccgcta 60
atggaaaaga cagacgagtg tggtttctga ctattaatct ttctctgtca tgatcagtaa 120
tgtaatatgt ttgtataatg gtttatttcg tggaaatcac aattatttaa gcagaataat 180

tttttatagt ttaaagact aattattcat ttattaattt aactaacatt anggtgagaa 240
 ttaagataaa tgtgatgcan aaagcaacat atatctaaca caagctgcta ttattatattt 300
 tatatataaa aaaaacactg ctattagatc atgctggccc attttcaata tgagtttgct 360
 ttagtcagtg aatcctcctg tatgagtctc tgttcaagcg tccacttcat aagtaatcat 420
 gtcattttct ttcaccattg gtacgagtta gtctttccct 460

<210> 33761
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33761

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 gtctataaca atagttnttg ttagtataat ataataataa tatgatatga agaataataa 120
 tgtataaatg aattacaaat tagaaattac aaatctgtat taagtattac cattagtagc 180
 tgaacgttgt ctttttagtt gttgtaaaat agttttccta cgcttccttc gttcaacata 240
 tttgtccatg agtagttcga tttctgcaac aattggctta taattgctaa acaacaccaa 300
 aatcaaagt tgaactgag ttaaataagt tgctgtaata gggtgacttt gaaatgatac 360
 caacattata gttatttgca tttgcatgag cgaagtaaga gatatgtatt tgcaatcgaa 420
 aa 422

<210> 33762
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33762

ntagctntgt ccncaaggct tcatgtagac tggctcttta tcgcaagtg aacctcggat 60
 ccctgtcaga tacaatacta gaaggaattc catgcaacct tattacttcc ttgatgtaca 120
 actccactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgatc tactataacc cacacagcat catgtccacg actagtcttg ggtaactag 240
 atacaaaatc catagatatg ctctccatt tccattctgg aatttccaat ggcttcaatt 300

ctcttgatgg tgcgtggtgc tcaaccttag ccttttgaca tgtcaaacat cttgctacat 360
attcagctac atctttcttc atgccatgcc accaaaaact tctcttcaaa tcttgacat 420
cttagtcatt cctggatgga aact 444

<210> 33763
<211> 109
<212> DNA
<213> Glycine max
<400> 33763

agccctttca ttttattaga tgctgctcgt catgaaattg gtcgatgcaa aattcgacat 60
tgggtcatac ataactaaaa ctgatgatct aagacctcaa tctaagatt 109

<210> 33764
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33764

agctttgcat attatcaata aaattgatat gctatcttca aatcacaaac atccaattgt 60
gctacatctc tagttgtcat tgcataaatg tcaaactttc taatattaac aagatgattt 120
atacttatag catcttctgc ataaaaacca ccacttcttc cacatctaata actatcaaaa 180
tcataatcct cttccacctt atactcaatc gacttctcat cttccttatt gtcattgtca 240
tcactttcaa ctntatcctc tccatcttna tgcataaata cattaccata cgcatacccc 300
aacacataaa acgaagctcc caaatcgccg aataaccctt ctctactat tatgncctnc 360
aaaccctaca aaataacaca tttcaaaaaca taaataaata catagc 406

<210> 33765
<211> 484
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33765

actcaagctn gaaaacaaaa tttgctatta atttctattg ctacaacttt cataagtgat 60
gatggctact tgcacacaca tntgaggagt gtgcatttgt tactcttaac gaaagaatcg 120

ccattccctt ctcccttgaa tagctcctcg ctgcttcttt ctttgtctgg accaaaaacg 180
 taatntgctt tgctaaatct tacaagtttc ctttacattt tccattttgt ctattatgcg 240
 ttaataactt attgattaat ttgcactgat ttgatcatgg ggacatgtat taaacgatgt 300
 ggattacata gttatatatc ccatatcgac ggtattataa catatgacga tttatgctgt 360
 ttaagacact aaccatattg attatacgta tagcatagaa cactatcatt attcgaattc 420
 cggaccacga tgcacatacc tcccttatat acatcactaa tctacttggt ttaactatta 480
 catg 484

<210> 33766
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33766

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 ggacgacaat gtagcatttt ttgagtaagc aactaactga gcttgcagag atgcttacca 120
 acagacaaca atgcttgaag aacatcaaaa attgattaca gatctgcaa caaaaagga 180
 tgatgcacac aacgaacatt caaaaacact gcaacgcaag ggggattcac tgcgaaagaa 240
 aaagtgcaca gacnacaat ttaacaaatt caatctccat tttctattga agtccagaat 300
 gagagaatct ctgaccacta tcatcacgag taactcgtgt tcacaaacag tttttacaac 360
 atatgtctta cgaggactct gtcatgttat taatacagat a 401

<210> 33767
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 33767

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 tgcttttatt cacttgcact ttcattcttc tccaatctta ttttcatcca acctaagttt 120
 cctcacgaag ctttttttgt ttgtctacat cccacttttt tcatccttct atccatctct 180
 tgtttcttgc attgtgaacc aatggtacat gcacaacctg gacctattga tgacttggtg 240
 ttaaaacttac aagacaatca tatttcgaat caagtgtgag aaggccaaga gagaatgatt 300

atgttccaag aactctcgga tctggtccga ccatgcccac ctgatttcca gctgggaaat 120
 tggcgagcgg aggaacgccc cggcatttac gcaacgagca taatgtaaac ctttacagtt 180
 ttaacagctc tatagttggg cctaagcttt acagtttcta ttttcgtaag gctttgtgtc 240
 ttttgcctt gaatttataa tacaaggatc tttcttcatt tgcctctggn ctctacccat 300
 tctcattcat t 311

<210> 33773
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 33773

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 ccaggcatca gactcctgta aactcacatt tgtctccaac tgtctgaatt aaagaactcc 120
 aatccatcac cacttggccc agccatttga tctttctttc tactacactt taaatttggg 180
 ataactttat tcaactatga ttatatcaga acctaacacg ttttgcttca cttcaccaaa 240
 ttgatactcc cttgctttct cctc 264

<210> 33774
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33774

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 aatgagctgg ttgcaaaaat tggcaaaactg actattcacc taccatgca acttcaatac 120
 cacctaataga tcatgtctat ttggattttg aatccccatc accataaaca gatccccac 180
 ttgctgggct ttaatacaac cttcgcaaca atagcccata tgaatgcctt tcccacataa 240
 attttgaacg ttgagcacc atgctcaaga ccttggttcg caacccaacc acataccata 300
 taccacatct cctcaaattt gatatgcctt tgttgggtca aaacattatc aactacgtcc 360
 aattatgaag tgactccttt aactagcatc aagtccttgg tagtcacttt tctatcca 418

<210> 33775

taaaaggcca tattggatta gagatcatgt atggaacgat atgttatcac attggaatgc 120
 acctngaac ctttccaagt gtgcataggc aaaaaaaaaa aaaaattaga catctaataa 180
 ggtggatgta tgcacacagg tggttctatc agccttcggg atcacgtcat tcgcttggtg 240
 tgtacattaa aattataata catatttctt tgtattgttt aacttacttc ttaatgttta 300
 ttttataatg tttgttaata atagtcacaa gagtttggtc gatctgcata catagatgag 360
 gtctttcagc acactcattt a 381

<210> 33778
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33778

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 atccacaccc ctcttttaac ttacttaacc tccttcaaaa taattacgga tgacaataac 120
 gcaacaaata atcaaacatc aagcctaate actaataata tatatatata tatatatata 180
 tatatatata tatatatata tatatatctc tatatctatc tatatctatc tatctctgca 240
 tccccccgcg gatccctctt ctctentcca tctccctaca ctctctcttc cacatagtca 300
 tcatatcttc tcatacatcg cccaacatac cgccacctcc gcctgcggac accaccctgt 360
 gtctctcat ccgcttggtat cctactctt ctctactcac cc 402

<210> 33779
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33779

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 accagtggga cattactctt aaaacaaaaa tggcatataa cctcctcca caaatacaaa 120
 catcaatgta aatttagagc aagcttatgc gcatatttcc ttacaatcgt tctcttgcac 180
 aagacaaaaa aaaaatgcac ccatatacaa tcaaggcagc ttcgttacct agattattta 240
 cacgtacttc caaagtgtat ttgttactta catcacacac atcttcttgg cttaaattcac 300

atacatgcat actctaagca ttttgnggta ccacaaattg cacctgtgca catcttggtg 360
 tttctaatac ctatacatac acaaacttca tgatgaatct tgactatcta cacaataaag 420
 tgctacatct 430

<210> 33780
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 33780

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 caggagaaaag acgaaaggag acaaggagaa aattcccaat caaagagtgg gagaaagcac 120
 ataaaaagac tagacagaaa gttcccaatc aaagagtggg agacagcaca aacgaaaaga 180
 aggaaaattc ccaaatacaa gagtacgaac acgaaaagaa aggagagaca attcccgatc 240
 aatgatcgaa agacaacaga agaaatatgc ataacggtct ttacaccag accacatctg 300
 aacaaatata gagttactac caagtagaca caaaagaagg cggggaaaac catgacctga 360
 agcggctctc cttctttgat tgccaaccac aatcctgt 398

<210> 33781
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33781

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 gaggagctgg agtggatgat gnaaggatct catctgctct agccctttnt ctgatgccca 120
 tctgtgacta aaaagaactc anaattgctt agaccaaatt tatttaagtt taaaaataga 180
 tgggtgctta gcgggatata gattgctcag cgcgccctta gaaatatagc atatcgactt 240
 aacgaaatag tgtgtgcttc agcctaatac acaccgcaac aaatatgtgc taagctcagt 300
 anggttgocg ttagcagcac caagaaattc tgaaaattca ctaagtatga gggcttagcg 360
 agccagacac gcttagccca atgatttccg taacgaaatg 400

<210> 33782

<211> 364
 <212> DNA
 <213> Glycine max

<400> 33782

agctttcatc acttattccg caccagcatg attggagtag cgaccttaag tgttaatttg 60
 tgattaggta tccctgatgt tttcaatgag tttagaaatt tacgtgtcag taatccgaaa 120
 gtaggattga gtagttcatc ttatttatca atgttatcag tgctacaata ctctttttcg 180
 tcattgggta tcaatgataa gacaataatt tattttgtca acaatatctt ttttagaggc 240
 aagaacaact cttttttgca agtaatctgc gttgctatag ttatgtgtca agttgggata 300
 tgttgcatca acaattgcct ggataggatc agtatagtc tttataagga actcatctgg 360
 gatg 364

<210> 33783
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33783

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 accatgcatt aggtaccatg ttcaattatt ttgtttttta gtgaaacggg tttatgatcc 120
 caacatgggt ggctcgtggt gcctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
 gcttccccct tttttgtttt tgttttgtag aggaaaacgc aaggatgagc aaacatgaaa 240
 acaaatggta tgcaattttg cagatcaaaa agtttgttga acgcatatgc atgatgatgc 300
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gatatgtcca 360
 ttatgatggt atgaagagat gcttatgcga tgcgatgat gaatgcattt tacggaca 418

<210> 33784
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33784

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aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
 aaggtgtatt tattacttac atcacacaca tctccttggc taaatttaca tacatgcata 180
 ctcaaagcat tttggggtac caaaaattgc acatgtgcac atcttggtat ttctaatacc 240
 tatacatata caaacttcat gatgaatata gactatctac acaataaagt gctacatttc 300
 atgctctttt caagtttttg ctacctaaag ccgcatgcaa attcaagtat attttccttt 360
 gctgactaan attgtagtaa aagggtatata ttctttctgt aatgtatttt ctttacataa 420
 catg 424

<210> 33785
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33785

ctaagcttaa catcagacca cttccagggg gctggaacta cttttatgga cttgatggng 60
 cccatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
 tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180
 gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat tangagtgc 240
 catggcagag agtttgaaaa cagtaagttt actaaattct gcacatctga aggcatact 300
 catgagttct ctgcagccat tacaccacaa caaatggca tagttgaaag gaaaaacagg 360
 actttgcagg aagctgctan ggtcatgctt catgccanag aacttccta taatctctgg 420
 gctgaagcca tgaacacagc atgctatatn cacaacagag tcacac 466

<210> 33786
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33786

ccgcgcgtg tcttgacctt aggggattga ctgctaccgg gatcttaagc gactgggcag 60
 cggttttgag gcttgagcat tcgatgaaca cgnacctgta gtcgatgaga ggcatgctca 120
 tgcattgtgaa gaaacttatc taactgagaa ttgtgtctat agacttgcca tgatgatgct 180

tgatgcacga catatcctac ttacagtatg acagatgacc tcagggatga tccatgataa 240
 atgccgctca tgggagcggg gcatgttacc gactagactt cgcgaggctt cttgcagctt 300
 taccttgatc tctaagctct cgcctttctg atgtccacca tgttgetcat gtcgctaate 360
 tcatggcgct cgcagtatct ctaacatata ctaggttatc gtgctgagac gtataataac 420
 aatcctataa gctgtcatga cgtatatcga agatgactac acctcg 466

<210> 33787
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33787

tcttatccaa gactcatctt ggtggggaag ctcttcttc caaggcttat tccctagtgg 60
 atggcgctn ctctcacctc ttctcctttg tcttcgctg catctccatg gtggaaaatc 120
 accattacaa gacctcattg aagctcaaag attcagcctt cataaaaagcc ccacaagcaa 180
 gcttccatca cttatcatat tgccttgtat gtcttatgca tcatatcata ttgtcattgt 240
 gaaaacaact tttcccgaca aaattttcgt tgtaagtgcg tgcttacaag tccattgcta 300
 aaagtttcta caacgacatt acaatttggt gacattactt atgttttaac aatgataatt 360
 atcgccatta ttttcacaca attgttgcta ccataagtaa tttgtagtag ccattgaagt 420
 tattgttgta tttacaggcc ttaacaacta ac 452

<210> 33788
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33788

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 cgctgacgat gatccctcga cggtggacgg cgcgctcgct ggctcgcgcg ctctcttca 120
 ccgcggtctg cggtctcggg ctgctcgcg ctcgctgacg gcggctgacg aagaacacga 180
 agaatcaaac ggagaacaac aaaaaggcac cgcgaggaag aagaagaatg gctctgggga 240
 agaatcaaac gctccgcg 259

agctntacct tagtttcggt gtttacagaa naataaaata attcctatgg ttggaggatt 60
 gtgaaatgac atttagaaaag ttaaaggagt ttctttccac tctcctatc ttgacaaaagc 120
 ccaagtcagg gttgccatt ataaaatact tgctgggtctt cgagcatgtc gtcagctcag 180
 ttctagtaca ggaatttgga gttgaataaa agccaaatta ttttgtgaac cgggtgcctt 240
 ttgggtttoga gattaggtat caaagttaga gaaattggca ttggcagtag ggatcacagc 300
 tagaaagtta aagcattatt ttcatagtta cccaattata atttgaacca attaacttat 360
 caaaacaaat tntacagaaa caggatcttg ttgatcagat gatgaagtgg ttgttgaact 420
 ctcagagttt ggtatatcgt ttgaaa 446

<210> 33792
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33792

taagctttta gcagattnta gtaatgaggc actagactag aattaaaata acttaatgcc 60
 attaacctat ggaattaaca aaaacttaat ggctgagtggt aactgacatt gcggcaacca 120
 agagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
 taggttgcca attgcgcctt tattacaact tgaactaaac ctaactaaag cccttttagt 240
 tgatcaaccc ataacatatt attggccacc caactttaca aggattgcgc cattatctag 300
 acaaactaaa cactctaaaa ttgagacaag gtggtgtcat ttacgcctcc tccatttgcg 360
 ccatgatata actcacaacc 380

<210> 33793
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 33793

aatcaaaaga tgcaactctt caaatgatct ttgacttatt caaattgggt ctaatttttt 60
 ctaaaagtta taactcttct aaatggctct cttgaccaga catgaagagt ctataaaagc 120
 aaggctttgt ttttcattgt caatcaatct ttctaactat tattcatata atcatttaca 180
 agccttgaat ctctttgaac ttctttttct tctttgtacc aaaagctttc caaagttttc 240

tggttttcta aaccttgaaa acttggtgcta ttcattcttt tcattctattc tccctttgcc 300
aacaagactt caccaaggac taaccgcctg aattctttct gtgtct 346

<210> 33794
<211> 336
<212> DNA
<213> Glycine max

<400> 33794

tacgctttca catacaccca tggtattgat ctttctgcat ccgatgatga agatgatgat 60
ctctcggaag acgacgaagc caaaagggtcc agtcagcagc agcaaaggcc tgtttcgaag 120
ccacttgatg tgcattattgc tgagaacgag ttgactaagc gtgacaagca agatctttta 180
gcaccacatg ttgctgagca ggcaaagaag gacgctctca aggatgatca cgatgctatc 240
actgtgggtca ttggaagccg cgcttcgggtg ctcgatggac gagatgatgc tgatgctcat 300
gtcacagata taacagtaga caatttctcc gtgtct 336

<210> 33795
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33795

tgtaatctgg cttcttttta gtcattcatca tgattagtca gattatagcc gcattattgg 60
tgcggtgctag tgtgctatat aactagagag ttctcattgt ccacttcttt tgactttntt 120
cgtacccatc cactatagct agcactaatt ctatattctc ctaggtttga aacttaactt 180
taaactcatga agtcagccat ccattgtttg attnttttta tactaaaaca catttttgag 240
tcaaataaaa ttattataag taacaatttt tttaattaaa ttaaataaat tntgtcaaat 300
aattcatatg tctgatttga ttattataat taatgtcctt ggctcaacaa agattatgac 360
aaagcacttt anaaagccag gttatactca catccaaagc atgaccaaaa tag 413

<210> 33796
<211> 298
<212> DNA
<213> Glycine max

<400> 33796
 agcttggagc cggtcaaaat gccacagtag ctgtaatgag ctatagtggg tatgatatac 60
 aagatgccat tgcgatgaac aaggcatctc ttgatcgctg gtctgcgccc tgtattgtta 120
 tgaacaagca tgtcatttta ttcgggcgatt ttatgctttt gggtgcctta tattttattg 180
 tctacgcttt ttaacgcagc atttctgac ttgaccttcc ctgctgtata ggtataatgc 240
 catcatctac aaccattcga atgacacatc ataccgaata cttacgccta atacaact 298

<210> 33797
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33797

ntggcacaca gctaattcatt accttcttca tggaattatg gtaaacaacag ttctatcaca 60
 caataaaaaa agtgtcatat aacctgctta ccgtctctct tgatttttgg cgaagaccat 120
 gccatttttg aattgcatgt gcaactctca cataagctgc atttggtcca gtaccaacaa 180
 tcaactccagc aacaacatcc tgattgctga atcttgcctc agctactgtt ccgactgtgt 240
 cattaaccta natcacatca ccaagttntg tctctgggtc aagacattaa gtaaccagga 300
 aatttaaaag aaaaaaaatt gaaactacaa aactcattga tctaaattnt ccgccatata 360
 gaaactgaan natattctca nagccagact anaggggaaa aagaaaacaa gacaaacagg 420
 aagagaagta cactgact 438

<210> 33798
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33798

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 tcagagtaac ctgcagcatt cagcttttcc cctattttta taaggagggg gagaattgaa 120
 gtggactctg gtccatccca ctgagccctt gtctctgtct cgaacttggt tagaaacatc 180
 gtttccgcga agagaagcca agcctatgcc actccgaagc gcttccgtga gcgatcacgc 240

aaaggtagtg acgcgttctt cgacagtatt gattacgact tcctcggcct ctgagcctca 300
acggcggaagt actctcgacc cggctcttcg agacatctat gtacccgagg tgagtcacac 360
cgagcccctc gcatttctct atctcgctta gtagagcttt acgatacacc gttgacgcgc 420
ttacgacacg acattgaagc cgtatctctg ctatccact aataagatag tgatccaccg 480
atcgcg 486

<210> 33799
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33799

ggacctataa aactcagctt aagaaaaaat ggcctcagca agcttttatn ttttaaagtt 60
attcaacaaa ggcctccatc tttatggaga ggggtaccact actggaaaac ccaaatgcaa 120
atTTTTatcg aggcaataga cttacatatt tgggaagcca tagaaatagg gccttatata 180
cccaccacag tagacagaat tacaatagat ggaagcacat caagtgaag cataacaata 240
caaaaaccta ctgatagatg gtctgaagag gataaaagat gagtacaata caatttaaaa 300
gccaaaagta taattacatc tgccctggga atggatgaat atttcacggt ttcaaattgt 360
aagagtgcta aggaaatgtg ggacactcta caattaacac atgaaggaac aatagatggt 420
aaaagatcta cgataaacac attaaactcat 450

<210> 33800
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33800

ggacctataa aactcagctt tacttggtga ttgtgaagtt ttgaaaaatt atttctgcct 60
atgccgagta taacattttc tgtttataac ttattgatgt attaatgca ttgatcatca 120
ctgaaaaatg ttagattttg gtgtctcatt tcttggtttt ataatgattg ccaggatcac 180
tattttgatg tgataaccaa catagttggt ttggttgctg ctgtcctacg tgataaattt 240
acttggtgga ttgaccctat tggcgctatt ttgcttgacac tctacacaat ttcaaattgg 300

tctaaaacag tgcttgaaaa tgctaggtct ctctttctct cttcttatto tgcgtcttat 360
gctttgttca attacgtact ctattttaa gatgggtacc tcttggnnta gtttccttgg 420
ttggacaatc agctccacct gaagtc 446

<210> 33801
<211> 369
<212> DNA
<213> Glycine max

<400> 33801

agcttgaata agtagcagca ccacaccctc aacaccttta tgcctattca gatgaaagct 60
tgttcctttc aaacacgctt tttgagaact acattgaccc aactgggtgg tttctttatc 120
ctacaaagat caaccctcat tatgattcat tcaactcatcg tgatgacatt cttccaacta 180
atgaagaaaa caaactactc ccatgtccag aacgccaaaa gtcctcctac gaggaacaaa 240
aatgtactct tcaactgcaag agtttactaa acacaaatac catccaattt cttacatggg 300
tttggtgtgc cttatgataa ttggtgttcc ttgcaagcag aggaactgca acagcaactc 360
ttctatgag 369

<210> 33802
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33802

nttatgtctt gctaagtgtta atagatatta cctatctatt aaagccaagt catggcttaa 60
ggcctgtatc aatcctattc tcttctaaat catgacaaga atgataacaa caaaactaac 120
cataatctca tagttatgaa catgatatat tntctttgac agtacatttg ttccccttat 180
aaaattctct ataacagttg ttgttcatat gggtttctgtg gcatgccctt cagaatgctt 240
ttgcaaccag tcttcaatat tgtatttctc aaggtaggaa tagtgcatac cacttctgag 300
ttgatctctg ttatcattca caggttntat tcttcagtt agatagttat tcaagtactt 360
ggttaaggcc ctttggcaag taactgggga gctctctcaa tgcaatatca taattntaag 420
cagttaatac tatgtga 437

<210> 33803
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 33803

acgccggtgc cttacatcag cctggacgtc ccgcatctct aagcactgac gatgccgctt 60
 ataaactata tccatattct gtgggtcatt caccttaaaa attcttttat ccatctccta 120
 tactccctta ttctatcct attctgaatc actatgacaa atgatattat ataacgtctc 180
 atgcatgaag aactgcacac ccataacata tattgggcct gattacccat aacctacaac 240
 ggcgatgtca cccctccacc tccactgtcc ccacgctca ccccatatac cgcgaccctt 300
 gcgctctcgc ccccccccca cctccctcgc tcccatcccc ccgccaccct cccgttcccg 360
 tcgctcccag cccaccccca ctccccccc tccccccctc cacaccctc gccccccccc 420
 gctccgcacc cttccccctcc cccct 445

<210> 33804
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33804

agaactgctt cttcctgant atttgatcca tctctctttt caccactatg aaaccatttt 60
 caactgttgg caatgacgag ctattatttc tattatttaa aagttcatac tgcaaagagt 120
 cttggacact acgaagctgt tccaatactt cttgcacaaa ttcaacatct aatccaaatc 180
 tatectgtc caaccatttt cccaatgcc a gtagatacc ttccagatca ttgtctgaat 240
 aaattacatc tgggatgcc actgaaccaa gagaaccaca aaatttatcc aacgaagtac 300
 agtatgtatc actttttcca ttcccttaaat ccacttatc aacatgggta caatagaact 360
 tgagagttcc tttcagtttt aagatattct tgcaagcatt aactagcttt tgagaaataa 420
 ctctc 425

<210> 33805
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33805

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gacactactc ttaaaacaaa aatggcatac aacctcctcc cataaatata aacatcaatg 120
taaattttaga gcaagcttat gcgcctatct ccttacgaac gttcacttgc acaagacatc 180
ctattaacta agacaaatgc acccatatac aatcaaggca gtttccttac ctagattatt 240
tacatgtact tccaaggtgt atttgttatt tacatcacca cgctctcttg gctaaatcta 300
catacatgca tactcanagc actntgnggt accaaaaaatt gcacatgtgc acatcttggt 360
atttctaata cctatacata cacacacttc atgatgaatc ttgactatct acacaata 418

<210> 33806
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33806

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tgagttcttg ttacattggc aaaaaaacat gttcaaattg cattaattgt tattcaattt 120
agttgctaatt ttgtctaata ttgttgagc atcatgtaag cactgngata tttttcgaaa 180
aagtcaaatt acaatagtga aagaagcatt gcaaaaagga gaaatctcaa gtgagcatga 240
cttgaatcaa gagagcagga aacactaaat gaagctcaca ttatggtaca ttacttagtt 300
tagtttctct tttttcttcc atgattgatg tgcttgaaat aattgaagaa gatgacataa 360
gttttagagca naaggctaaa atatgtgctt tngtaaattc tgtgcaagct tttgaatntg 420
ttttcatctt gcacttgatg aaaaatatct t 451

<210> 33807
<211> 347
<212> DNA
<213> Glycine max

<400> 33807

agcttattaa tgtccttacc gtttcacatt gagcatgtat gacaccagtg actgatatga 60
tgtgcaaagc tgggactctt actatccagt tgttataact cacacactct taccttgaca 120

gtggtgggat taagagaaac actatcactt gtgaggactg aagattggcg attattgctt 180
 gcgatatgtc attcttgcta accatttcat tagacgcgcg tcctattctg ctactttcat 240
 gatcctatga caactgtgaa cttgagaact gtccaatcca gctctctaca acgcatgccg 300
 ctatctcatg agtggttgatt gggcaactct ataacttttg cttctgc 347

<210> 33808
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33808

tattgganat gaatcatatc tcattctctg ttttcatgcc ttggatttta tntgtaaatg 60
 aattaagcag cttgttgaat aatgagctctg ttatttactt catattaatt ttacgtgtca 120
 tttgctgcag actgattggg aggggtggcta cttcccgcct acgctgcact ttagtgaaga 180
 ctaccaagc aagcctocaa agtgtaaatt cccacaaggc ttcttccacc ctaatgttta 240
 tccttctggg actgtttgct tgtctatact taatgaggat agtgtaagta catctctctt 300
 gataattgca tgactgcttg aaaccaatnt attttttgat atattacatg ctaagcaaac 360
 agttaagaat tataggttta ttgttctata caggggtgga gaccagccat aacagttaag 420
 canattcttg tgggcatcca agacttactt g 451

<210> 33809
 <211> 103
 <212> DNA
 <213> Glycine max
 <400> 33809

agaggggtgac tactactgga accccctatt gcctatattc accgccgttg cctatttagc 60
 tgtctgtgaa gccatagcaa tacggcctca tataccttcc ata 103

<210> 33810
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33810

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gaaataaaga tacttagaca gaaaaaaatt aaatgattac tccatttgat aattgattgc 120
ccagttttatg gaaatgcaga acaaagggtg ttttgacgaa ttaatcgatt tctaattct 180
ataatcaatt agatctattc tatttgtaaa aaaattataa atacttggtg caacctacct 240
cacgacggga tgacaaaaga aaataaagaa taagcatggt tgtctcctaa ggagaaaatg 300
agtggagtcg tcaccaacat ttatttaagg aaaaatatta gaaaaaccaa aaagagggtt 360
gcgaatnttg aaaagaacgg ttcgagagtt gtttatgtat agggaatgta ttagcacccc 420
atgcgcccgt cacaagggtg gacaaccttc aat 453

<210> 33811
<211> 392
<212> DNA
<213> Glycine max
<400> 33811

taacttttat tccataacga aattcaataa atacgctcc tacccttaat ggagaaagtt 60
accactactg ggaacaccga atgcaaactc tcattgaggc aatagactta cacacttgcg 120
aagccataac agtaggacct tatgtaccca ccatgggtggc tggaaatgca acaatagaaa 180
aacctagaga agagtggact aaagatgaac gactattagt gcagtacaat ttaaaggcta 240
aaaacatcat tacttctacc ctacgacatg atgaatactt tacgggtttca cattgtaaga 300
atgataagga tatgtgggac actctacaag ctacacatga cggaacaact gatgtcaaac 360
gatctacgat aaatacttta actcatgagt at 392

<210> 33812
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33812

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ttgactggtg gaactgccta acaaattata gtagataaga tttttatgct atttttaagg 120
aaaaaataaa agtcatgttg actgatagga taaagcagtt ttgatcctat tctctangca 180
tgatttggtg gtggtgttat ctttctgtta gtgatgttat ctttntgtta gcagttatta 240

tcttttccat gctttttaa acgttgcttc atatcagaat aaagtaagcc tttgcagtct 300
 caatttcttt ctttatgctc ccttttattg tttaatatct ctgcctactc ttattaaaaa 360
 aaaacaacaa attggtatct agagctctta tctttaaggg atctgtgagt tgagagaaat 420
 cacaatggag ggagaaacat catacacagc aagttcacca 460

<210> 33813
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33813
 aaagtacata ttacatata tacatatata tatatatata actcagatat gaaaaaatc 60
 ctgcgataaa ccttatatat ttttactcga gacaacattt attatacata ctatgaatga 120
 catgaaaaca attattaaca actaaagaat ccacataaca ttaaataaaa aatacaatta 180
 tgcttaaact actataaaga ttaacttcag aacatacaaaa ataaaaacta atacaaaggt 240
 ttattctttg tctatgggac atatagctcg aatttctcgt gatttaggag ctgcagcaac 300
 tttgcattcc atttg 315

<210> 33814
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33814

tcagttcana gcattgaata attaaatatt tggcatttag cttgtgcaca acacaaggaa 60
 cttatgcctt tgaagggaat ggctatagct aaatgggaat ccaaatttaa tttatcaggt 120
 gctctacact agtgaaccaa atcttcacaa atccctcacc accagtgtga acaaaacatt 180
 acatcagcgt gtgatgattg ttgatgatta tgtcattgcc tcgacaattg tagtatatac 240
 atgtgactca atcggtagtg tttgattctt ccatttcaat ttacacgttt attgattttc 300
 ttctttcata atgcgtgtta atcctacctt ctttntgttc tgtagcaag caaaggaaag 360
 ctaatatact ctntctcttt gttcttttga gaannatggg ggaaacaagt caaccattgt 420
 gtcaactctt cacaccccat tttac 445

<210> 33815
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33815

tgtaaagctg actatcttca ttccacagtc gattggataa tgaagagatc tacgcctact 60
tccatanaat tgaacatcta cccaatcgcg gggctcgata cacacaatac cttgcaaagt 120
cctagtacgg ctgactgaca acaatcaata taacatctct cacaagagtc acatgctcca 180
tttcagtttg gattcattgc ttcctttgag ttcgccatac cttcttggtg tacagataac 240
tccacattct cactgattgca acttttaaaca ataaaatacc cattgtcttt cgtggagacg 300
tatattacag cagatcatac aggtgagaca atatagactt aactgaccca acattctata 360
gattatacgt ctgttcaaatt actcagactt tgacccacac ctcttggtgag accg 414

<210> 33816
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33816

tgtgggtcaag taggttttct caaaagttgt agacattttg tgctcattca tatcttattc 60
aattattact gcatgaagtt tcttggtgctc atattgaatc tgtttggttg atgggtgagat 120
gattctttaa aaaaatgatt ccttgactcc aataccataa atttcgtggt ggataacctt 180
gcaaactgaa gagataagtg tcaagtcgta ttattctatc gcgaaacaaa gggtgatact 240
ggtttttaa atgcgtttccg caactacaat tgtagtcaca atgtcaaagt attttgattc 300
atcataatgc aaccacaacc gtaattgcag cgcattagt cacagttttc tgcaatataa 360
agggtttctg attcaccaca attgcaactg cgaccacgat ngatagtatt agttacttgc 420
tgttccctgc cccaatatag ttact 445

<210> 33817
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33817

cacgatgctt ggtagttcga ccatctagac cctttgttgc gcaatcatct gtagaacaaa 60
tncacatatc catccgaata catgaatgag aaaacgtag ggctcctata tttattacat 120
tggaatctat ctaatatacc gaaatgatct gtttaataaa atcataaaca tattcccaat 180
cttagcaagc atatacgaca ctgatcttcg actataccaa ctatgacata gtaactcttt 240
cacttttctca accatatgat ctataacata ctttgcaagc tcacttttga cattacaaac 300
cactccccac gtgaaagtca agccaccctc tgaaagcgga cagtgtgtga cacgtactga 360
acatatggcg ttgccttctc cg 382

<210> 33818
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33818

tctttgagaa aacttccttg agaagctaga gcttagttac acacaccctt ctcataacaa 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctat 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagaa cttagctaca 180
cacccttat aatagctaag ctcaccccca tgacaaanaa catgaaaata caaaaaaaaaa 240
gtccttacta caaagactac tcanaatgcc ccgaaataca aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gcccanacga agganaaacc tattctaata ttacaaaaga 360
taagcgggct catacttagc ccatgggctc gaaatctacc ctaaagctca tgagaacnct 420
agggcctacn cttggatctc ta 442

<210> 33819
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33819

agcttcaaga aaattatggc ctcagaanac ttcttatttc cagaaggga ttctatcaat 60
acacctccaa tctttaatgg agagggttac cactactgga aaanccgaat gcaaattttt 120

<210> 33822
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 33822

aagggacaac caaggacctt catcggagtt tcacgacact gcaagatata tagctatgcc 60
 gaacatacgt ctaaaagtta catttcaatc tgctaacaac aatcccattt caagaacctc 120
 attttacgtg gaacttaciaa ataatgacat tgctacgaaa tg 162

<210> 33823
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33823

cggccacgca ggccattcga ggcgattgan cncatgagnc cnttcganen cccagacac 60
 natataagac tcaagcttgg gcgtaacaca cacccttatt atgtcggcat tcaacctttt 120
 tcatnccacg ggangcaacc aggatgagat gccaaactgct cggcctaata acacataccc 180
 tcaccttgga aagcaccatg cttgggtaca cgctctagaa ctgagactca cgaggctcgt 240
 atctgttgca actctcctgt cacatacatt cgtgagattc ataccagcat agatatatcc 300
 taccgaacat ataataaac cataatcata gacattcgaa tctacaccat agaattcaca 360
 caataacacg tgggttaatga gaggatagac aagatatgcc attaccacat acagtgtctc 420
 tgatagatca gtaacatctc tctctacctc actcctgctc actctccgtt gaagcatgcc 480
 ctcatcata caatacactc atatctccg 509

<210> 33824
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 33824

cgcgggtccg tgggcttgat catgatactt gggaacactc gaccgggatc ttagagcttt 60
 gcttatgaac ttgactatac atcagtaata cgcaagttt gacttgcaac tttaccacaa 120
 aacatagtga atccgatata tctttcctat atttagcggc cgtggaaaca tacagtgatg 180

aaggagaact cggtaatcct tctattataa ataatctttg ccccatgaa acagactttt 240
gacaattgat cttcataccc tgacgctcag acagaaattg cttacatact atccttcacc 300
aatcttactt gaacacacag tacctctcac agaatacgag atcatcatca aatccagata 360
agatgacaga taattggacc atgtgtggaa atatgaattg gttcgcaagc atcatccctt 420
ctaatatatt cctaatecat caagccgctc tcatgcaata agag 464

<210> 33825
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33825

cagatgatag tgatgacgta caagctctat tcgcatatct agaaagagcc cgactagtct 60
aagagaagnc aagtccataa cttaccaact gaatagagta tgatgaacta ttggactgta 120
atatggccac cgctgaagcc ttggaacgag aaaccattga cgcccgaaag gaagaacacg 180
tgcaagcaca cgtatgaggg gctatatatg gcaacagtag taagctcatg ctgctaagag 240
gagataggaa tcacacaggg tcacaggcat gatcttgacg gacgagctaa tggcttacct 300
taggtcgaaa tgaattctgt cccgacagct aagcgagact gaatggaata tgtgggccgt 360
catcgatgag tgctcagaga atctaaatct atcggcgact cacgagcaaa ggctacagga 420
tgagtacgcc gagaag 436

<210> 33826
<211> 419
<212> DNA
<213> Glycine max
<400> 33826

agcttagaaa agaattggaat atagtcaa atatttctcta ttaatgggtt ctattcaagg 60
gacaacaaag gaaattcatt cgagtttcaa gacactgcaa catatatagt catgccgaac 120
atagtctcaa aagttacatt tcaatctgct aaaaaaaatc acatttcaag aagttcattt 180
tacgtggaat ttaaaaaataa tgatattggt aggaaatggt ttaaggatac tagtttaaaa 240
aagttagcaa ataatttatt ttaaaaaaat taaaaattac acttagaagt acatgaatct 300
atgaaaaatg ttaaaattta ctctctgtct ctctctttat aaaatatttt tatttttaoga 360

cacttagtat tatatattct cataagatta aaagtgcacc acgtcattta tcaatgaat 419

<210> 33827
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33827

ttgatatgga aattaagttg aaagtaaagg atggtatgta taggacatca atcaatgtaa 60
tgaatgcaga aagctgtact gtgcctgagt gggtagcatg aacaagggtgg ccatttggtta 120
atctaaccgt gatgggggtta atttgatgat atgagtgaaa gtttggttaag gaggaggaaa 180
cgtgatcagt ggctcctgaa tctaatatcc aggaggtaga gtttgctttt tcgtaagata 240
gggttatacc tgttgcatcg ttactagagc aagatgaaat ggaagcgacc tgaggcttgg 300
tggatgctga gtttcctgca tatggctggt gtattaaagc cagcaatgcc ttgtactgct 360
cangtgaana acgaaccaat tcttgagatt cttggcgctg tatttggtca tctgtggcct 420
ttccttctac ttgccactac gttgtagcta ttac 454

<210> 33828
<211> 396
<212> DNA
<213> Glycine max

<400> 33828

agctttccgt gagtgggtgtt ttattctata ccgcaactcc ggtgagagca tgccatcaaa 60
aggcaccatt gccatcgcca tgettaacgt ctcttcctt cccatcagaa gacacaatcc 120
aactaaacca acctatgcgt tttctcacac tcgattaaga ccattggaac tccaccctca 180
caatataaaa tattttatttc aaaccccaac aatccattca gtttcacaat aattttccca 240
ttgggtttatc atcattatca aattcaaaac actcccccac caactttcca cacatgcttg 300
attttagtac aaaaatgaaa aataaaaaat aaaaacatca gttacaggcg gttttaaacc 360
cccataaatg taaaagtgac atgtgtcttt acctta 396

<210> 33829
<211> 467
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33829

actcagcttg ttcttttata aaatgagaag ttctggactc attattttat ctattaatct 60
 tgnngtggat ccaagtactc cgatcatcca tttgcatact cacgttntgg tggcatactc 120
 accgttgttt atttcttttag gaatttcac ataactaaga aaacaccaag gcacccctat 180
 aacactcgat ccagaaaaat ggataatgaa gagggcgtgc aggaacagat gaaggtcgat 240
 ctatcggcct taaaagatca aatggcttcc atctcggagg tcatgttaaa actccagaaa 300
 accatagagg ataaagccac cgcaaccgcc tccagtacag ttagggaagc ggagccggtg 360
 ctgcagcccg ccttgaatcc gggcctagac agaaacacgg ccatgttcgg tcgaaggtat 420
 agtccgcaag cttatcetta tggcctccct ccggacttca ccccccg 467

<210> 33830

<211> 165

<212> DNA

<213> Glycine max

<400> 33830

agcttctgtt ttgaattacg agtgtatcga tatattacgg gactcgatcg gacattcgag 60
 tcaaaagctc ttgctgatcg attatactca tagctcgagt tttcaatttc gagcatctcg 120
 atatactacg gcacacaatc ggatatccga gtcaaaagtt attgt 165

<210> 33831

<211> 315

<212> DNA

<213> Glycine max

<400> 33831

ctgagcacat tcagacgaca ataactgttg actcggatgt ccgattgttt cccgtaacat 60
 atcgagatgc tcgtaattga aaacagaagc tctaagcata ttcagacgac aataactttt 120
 gactcgggtg tccgattgag tccggcgaat atcgctatgc tctaaaatga aaaatggagc 180
 tctgaaacaa atcaaaagac gattactttt taactggatg tccgattgaa tcccgtcaaa 240
 tatccagaca ctcttaaatg aaaatatgag ccttgaacaa attcgaaaca ctataacttg 300
 tgactcggat gtccg 315

<210> 33832
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 33832

agcttataat atatcgatac gctcgttaatt aaacatcgga aactcttgag aaattcaaatt 60
 ggtcttaact cttcacacgg atgttcgatt ctggcgcata atatgtcgag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa atgggcataa cttttcacac ggatgttaga 180
 ttaaggcgca ttacatatag agacactcga taatgaacaa cggaagctct tacgaaatta 240
 aaatggtaat aacttttcac actgaggtcc gattcatgct tataatatat tgatacgctc 300
 gaaactaaca tcggaagctc tccagacatt caaatgggtca taaatcttca cacggat 357

<210> 33833
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 33833

tgaatcggac acccgtgtga aaagttatga accatttggt atttcacggt atgctttggt 60
 gttcaatttc gagtgtcact atatgtgatg cgccaaaatt ggacattcga gttaaattgt 120
 atgaccattt gaattactca agtgcttccg ttgttcaatt ctgagcgtgt cgttatgtga 180
 ttctcctgaa tcggacatcc gtgtgaaaat ttatgaccat ttgaatttct caagagcttt 240
 tgatgttcaa tttcgagcct ctcgacatat tatgcgcccg aataagacat ccgtgtgaaa 300
 agttatgacc attttaattt ctcgagagct ttcgatgttt aatttcgagc gtatcaatat 360
 attataaggc tgaatcggac ctcggtgtga aaagctatga ccatcttaatt ttcagagag 420
 cttccatggt tcattttcga gcgtctctat atg 453

<210> 33834
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33834

gttttctaag acggtgtgtt tttatccgtc gttgaaagtt aacactctcc aacgatgtta 60
 gcctcctacg aacggcggn gaccgtcttt gtatgtgggt tacgaccctc gaagacaacc 120
 atttttttag cagtggctca tcagtcacct ttgattcctt ttcttaaaac aggtaactcg 180
 gctaagctat gcaaacaatt agtagcctat tcaagggact caggctttct ctgtaatgaa 240
 tcacggtttg agaatcttta tgagtgggtg taataaaata ctgataaaca ttgattaata 300
 ctttgtgtat gcatgataga gcgggtttacg gaagttgaca ccccacgcta ttcactacta 360
 cttctctgca atctacatac ttaaaaataa aaaccatctt taaatagtta ttctcagcc 419

<210> 33835
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33835

actaagctaa caggccctta taggctgaaa caagcaccaa ggtagtggtt tgaccgacta 60
 anaattactt tgattcagtt tgggtttcaa gctagcaagt gtgatccatc cttgttcata 120
 tataagcgtc aagctcacac tatttttctt ctagtatatg tggatgatat tatcttcacc 180
 gacagctcat cttctctcat ccaacagatt acaactcaac ttcattttgc attctctctt 240
 anacagctag gtcaattgga ctatttcttg ggtattgaga tcaagtatct acttgatagg 300
 tctctttctca tgactcanag caagtacatt agagacctcc ttcacaggac tcacatggct 360
 gaagttcatt ctatttcttc tcttatgacc tcttcttgca aactgtctan aactgggtgg 420
 gaattatttc angatcctac tctctacaga tct 453

<210> 33836
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33836

ncgcgcgtgt cctgacatca cgactaaggg atncagctgg gaccgcgtga actctanagg 60
 cgagctgagg cctgttagct tgtaggatta tgggtgtacc acgacatgag gaactacgtg 120
 gaccgccggc gacggcgag aacatgattc cagcttccat aactgcgac atatctcgcc 180

atgccgagca gtaccctcca agtgacgtta cgtctgctaa cgaagaccat attatcggac 240
 gtctactcac cgggtaccta taaatacttg caacogtacc gaaatgcact gacgctactc 300
 attcacacaa cgtatactat catagcccat agcacagggc acaggcacac cattatggtc 360
 atggcaccat cgaaaatgac agcttctaca cttagagacc ccagttacaa ttacttctat 420
 cttaccaccc cacgatgatc gactcgatac gatactggag ccttagtaat atcatgaccg 480

<210> 33837
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33837

ctaagcttct gggcctttct gcaagcttac attggttagt tagntntacc aagaaatgct 60
 actcttaaaa caaaaatggc atacaacctc ctccaataaa cacaacatc aatgtaaatt 120
 tagagcaaac ttatgcatat acttctttac gaacgttcac ttgcacaaga cattcttata 180
 actaagaaaa atgcacccat gtacaatcaa ggcaccttcg ttacctagat tatttatatg 240
 tacttccaag gtgtatttgc tacctacatc acatgcactt ccttggctaa atttacatac 300
 atgcatactc aaagcatttg gggtagcaaa aattgcacat gtgcacattc cggtatttct 360
 aatacttatg catatacaaa ctttgtgatg aatcttggct atctacacaa taagggtgcta 420
 catttcataa attattcaag tgtttt 446

<210> 33838
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 33838

agctttaacc tttggtttta cacttcatat ccttgcaagc aaaagcttga aagataaata 60
 ttgctaattt ctgctagagt ttgtctaaat ttctccaat tagatgatca ttccagatcc 120
 aactcagtat gagtatagtt aaatgcecaa attgcagtcc cattctgtgt cacttttata 180
 atgaacgcat tctgtgtcac ttttataatg aacgcattct gcctaattgtc aatacagtac 240
 aagagaattt atttgtttca taaacaaaga actggacgac aggtagaaaa ttatgattca 300
 attcagaaat ccattgcaag acaatagcct tgagattgaa gagcttcagc atctgctaca 360

tgtctatatg actaacgacc caaaacagtt ac

392

<210> 33839
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33839

tcttgaacgt gatcaatata tttattgtca cagaatatat gatgaagatg tggttcgtga 60
tatcttttgg tgtcaccttg attcagtga gttagtcaac gcatgtaatt tgggtgttttt 120
gatagacagc acctacaaaa caaacggta tagactccca ttgctcgatt ntgttgggggt 180
gacaccgact gggatgacat tctctgccgg ttttgcataat gtggagggtg aacgcgttaa 240
taatntgtga tgggctttac aacgcttctg aggccttttt ttaaagcgtg atgccctccc 300
tggagttatt gtcactgata gagaccaagc attgatgaat gtagtgaaag atgtattcct 360
tgaatgcaca aatttggtgt gcatctttca cataaacaag aatgtgaagg ccaaatgtan 420
atcactaatt 430

<210> 33840
<211> 257
<212> DNA
<213> Glycine max

<400> 33840

tagctgttct tcatggttgg catttgccgc aacctaacgt aaaaaatgct cttctccacc 60
gtgagcttaa tgaggaggta tacaagcaac ttccctcacg gctctcggtt gataatcctt 120
accaggtatg cacgctgcaa cgttccttat acggtctcac acaagctacc cgacaatggt 180
tcactcgtct ctacttattt attgtttctc atggctatca caaagcctcc gctgatcatt 240
ccctcttctt aagcttc 257

<210> 33841
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33841

taggttatgg atcactgtat ggtttccttg aacctctgtc tatacacaac gtanagaaca 60
aacgtgaaga atgtcaacat tacattcaaa catgggtcac agaatcaca cgagaagtgt 120
acttgggagc ttacctgaat caataagttg aattgatgtt gtacaatatg gatattatgt 180
gcattattgt tgcctaacta atgtttttcg tcttcagggc acattggcaa cttgttggtc 240
tgtgtccacg ggacaatatt gttgtttggt tttgttcttt gcataagaag cttgatgtta 300
acatcaagac tgcagtgaac aagttagttt taacattata agtcaattat tgtatagaaa 360
ttgtagcgta taaacacaat gattatntga ttatatatgt taagttatnt ntaaactagt 420
gcaatgaaga cattaaccac tactt 445

<210> 33842
<211> 168
<212> DNA
<213> Glycine max

<400> 33842

cacgtgtgcy cgatatgtga agacgatgct ccacgtactt atgatttggt ccgaccatgc 60
ccttctgatc acgagctggg acattggcgc agggacgaat gcccggcat ttacgccatc 120
acgcataatg taaaccttta cggctttaac agctctatag ttgggcct 168

<210> 33843
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33843

tgctcttaag atacttcttc cattntaaac ccttctgtac aaattgatgg actaaattac 60
tacaaagtag ccaaattacc aaaacattat actagcatta aataacacaa ttagagtcaa 120
aacaaccttc taagtctaataaaaagataag gaaagtgtct taattggtac cttanaagta 180
tgtgtatattg gcacttaaca gtttaccaca tgtctaagaa attgaacttg ttgaggcaaa 240
atttgcattn tgagatctta gcattgagtt tcctctcctt caagatttgt agtagaatct 300
tcaagtgttt ggcattgttc tcttgacttc taaatcatgc tagaatgtcg acgatgaana 360
ctgtaacaac cctaacaaaa attacaactt aagctattag aagaaactct gtgttggtgc 420

atttgtgctt gtatgtactt aatt

444

<210> 33844
<211> 282
<212> DNA
<213> Glycine max

<400> 33844

agctttatatt agccagaatc cctgattact ttcggcttgc agaagatgga ttgacactcc 60
aggttagaag aggtatcacc ttcatatgac ttatcacact ctacaaactg aaacgggttgc 120
tgcttgtcac acaataacag ataccgaaaa tgcactgacg ttacttcact aaaaaatggc 180
acacgtggga gactgaactg tgggatgcta cctctactat acacgacca gtatcatgtg 240
atgtgagcga agagtatgca cctacactat ctaactcaca cc 282

<210> 33845
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33845

tccagaggct acccttcccc ctttgggtgcc actgttttat acgttgggggt caatttcgcc 60
atttcctctc tcaacgcact ttccgccact ctctgtttct ttactctctc tgatttccag 120
aatgtgagtc agttactcct ctcttcattt cccaatccg gatattcacg ttaaaatagc 180
agctaaacta attctaggta aataagtgtt ctcgtgtctg gtttctaatt ccggaattga 240
ttctagggtcc aaaattgaaa taaactttaa gcatgttttt gcgttgaatg aaaattttta 300
aaccgaacaa acatgtgact ntacttcaaa atcaattnta cttcaattca attntgcaaa 360
cgatcactca attacacact anaacttctg annacgtaac tcagtggtag tttgtgggtg 420
ttga 424

<210> 33846
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33846

gcgcgcncctg ngtgtggcnt ctgaaccctg gaactccant cggacccgcg aactctaaac 60
 ngacctgacg cattttcctt taaccttttt tctacactgt atatngttgc aagcagaagc 120
 ttgacacata tatatcgtc acctgtgtta cagcccgctt acactccttt caattgcatg 180
 atcattccag atccaactca ctatgagtat agctaccgcc cagattggag tcccatctct 240
 gcgccacttt tataatgaac ccattctgtgt cactttttatc atgaacgcat tctgcctaata 300
 gccatacag tacaccagaa cttattcgtt ccataaacac agaactggac gacaggtcca 360
 aaatcatgat cacatctcaa ttcattgcag cacctagcct tgacatcgat cagtctcaca 420
 tctgctacat gctcatatga ctacgcaca ccaaccagta ctgggtttct agcacaccg 479

<210> 33847
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33847

tttgttntca atttcgacca tctcgatata ttaccgttct catccggact tccgtgtata 60
 aacttattgt caattcaatt ttctccgagc tttggatcaa aattttgagc gtattgatata 120
 attacgggac tcattcagac atccgagtaa aaaattattg tcgttagaat ttgatacgag 180
 cttccgtttt caatttgagc catctctcgc taaattgcga cagtctgtcg ggcatccaag 240
 aaaaaattta ttgtcgtttc atattttctaa gagtttccgt tttcaatttg gagtgtctcg 300
 atatattacg ggactcaacc ggacatccgt gtataaagtt attgtcatth caatttgctc 360
 agagcttcta gtctcaatat tgagcgtctc aatatattac ccgattcaat cggacatgcg 420
 agtaaaaagt tattgt 436

<210> 33848
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 33848

agcttctgtt tttaatcggc ctataaaaga tatatattga tgacagtaca agaagtaccc 60
 ctgccctgtt acaaaaagggtt ccctacagaa tattccacac agtttaataa gccaaaatac 120
 atgacggaaa catataaaaa cagaaatagt aatgttgtat ggtgtttccc agcacaactg 180

aagttaagat acacaatatt atatgctccc taaatccgga caatgcacga aactacccca 240
 acatgttcct cgtgaattca ttcccttttg cttcatctcc caaaaattcc aaccaacca 300
 caaatgacaa ctttctgaaa tttatcttgt aaagccaacc accccaatat ttcgcccacg 360
 tagcaatata tcatctcagt tgagtcattc 390

<210> 33849
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33849

tggacgtaca ccgatatttg gtgttttttg aggttggtat atggaatcta acttagaaga 60
 cgccaaaatc cactcaaaa ccatgcaatt cgacggaact gaagttggtg agtattctag 120
 aacttgttca gcagaatgat gcaagataca aacaccgata ttgaatatat catttttggc 180
 catattacat tatgcacttg aaaacaaaat gaaaagtaaa agactgggta aaataaatgt 240
 gaactttttt ctacgtatta tgatggtaat ttctcaccta tatccacatt ggagttatcc 300
 gtgcgtntca aagttaaccg aacacataag atatgttgaa gaccaataat tactaacttt 360
 attatgataa tactaccatt gagaataaaa gaaattatct ttttaaaga caaggcagac 420
 gaataactttt g 431

<210> 33850
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 33850

agctttatga ttatgaacca cgcaattttg atgatgccaa aagccaagt aattgattca 60
 agacttcaag atcaagcatc aagaatccaa tccaagattc aagagaagaa atcaagaagc 120
 aaaaagtcac gacttcatat agtataagta ttaaagatt ttttttttca caaaccaaat 180
 agcacagtct tgttttacac aagaattttc tcaaattttc taagttacca gagtggttac 240
 tctctggtaa tcgattacca gttggcagta atcgattacc agtgaccagt ttggttttca 300
 aatgttttca aatggcttac aatgttccaa actaattctc acatagtgtg atcgattaca 360

ctatatattagt aatcaattac aagtgaatth gaacgttgga attcaaatcc a 411

<210> 33851
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33851

ctcagctttc gtcttacgaa tgcaacaagt tatacggatt ctctcgggtt tttccgcccg 60
 tcagcgtgac tcaaaagtca gtatgacaga tcttgtagagc gcggaagata acgtaaatct 120
 ccacgtgtca acgggcttgt cagccgtgat tgacgaaggc gcgagaagac gacgttagtc 180
 tctgcgtgct atcaggcttt tcgtcataca gacaacaaaa agtttatacg gataaccact 240
 cgggtatttc cgcccgtcag cgtgactcan aagtcagtat gacagatctt gtgagcgcgg 300
 aagatgacgt aaatctccgc atgtcaacgg gcttgtc 337

<210> 33852
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33852

nttcgcanag cttacggtaa aatctgggac ctacgcttgt tagaagtctt cacatatgcc 60
 atttctctcc tcgcccagta ttatgatcag ccgttgaggt gcttcacctt tggggacttc 120
 gagctatcac ccatggtcga agaatttgaa gagatcctag gatgtcctct agggggaagg 180
 agaccatacc tcttctcagg gttctatccc tcattagcta gaatttccaa gatagtccaa 240
 atctcggcgc aggaattaga ccacaggaag caagtcaa atggcgtgggt tggaataccg 300
 agataaatatt tggaggcaaa agcaagaatc ttgacaagta aagggtgaatg ggccctcgttc 360
 atagacgttc tcgcactggt gatcttcgga ggaggtctct ttccaaatgt ggatggggtg 420
 gtggacctag cagcaatcga c 441

<210> 33853
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 33853

cttcctaagc tgcaactttt caagcatgag tattagtcgc tcgtatacat actgaaatat 60
 ctggaataac tcttccgtga aagggtcacc acctgccttg aaattcttaa atcctcgcaa 120
 tgccctcgca tagcgattgt ctctgatcc tgattcttcc tcaaactgat gaacacatac 180
 atgaacaaac aattggctgt cgcgagcgcg ctttacgcac ttctccaata cactgcacac 240
 ctccaaagtt ttcaaactat tctcaaagta ttctcaacc agttcaaaca gtctcctggc 300
 tcttccaaat gtcttttttg cagcccaaga ttaccttgac aacttcttgg tcatctccag 360
 aaagcatttg agattcgttt acagatcgaa gaaagggtcg acttcaac 408

<210> 33854

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33854

ncgcgcgggt cgggtgaggc ttatgacntc ctcgaanant caaggggaatc tagatagtag 60
 gccgggatgc tttcgagcct tcttgcgta tgcaagcttt aacaatggac gagatatgga 120
 tggctgagtc ccttgagat atcaccaaaa acaactttgc agctgaaaat aaaagatgtg 180
 agatcaacgg ggcaacaagt cgatgctcta taccctgtgg actccctact accctaaacc 240
 tcttgccctg ggtggcacgg cgtcaacata gaacaacaga gacacctgat ctccaatcct 300
 tacattaact ccacgaacga tgttggtgtg ggacaagcta tcccacattc ctcaaataaa 360
 ccacatgctc cccatttcat gcaccgggac acctctatgc tgcaaacactg catatgaact 420
 ctataccgtc aatctgccat atcatattcg cacacatgct ctatggctca cgaccgagcc 480
 ttctggccat ccgctcgccg 500

<210> 33855

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33855

ctacatcaca tgctgcantt cggaatcagc tcttccaatt aagaacgtta tgcactcccc 60

gcaccgcgca tcttggcgat cgtggcgcaa ctgaccgcat tgtgctcctt caacggtacc 120
aagatgttat tccggtttcac catcgactct gtcatatcac caataatgct cttatcttcc 180
ttagccagtc gcccggcgta tggatgtcca actaacgact tcncatttcc atgattgtga 240
atgcacagat caactggagc atccaagctt tcccttcatg cactgggttc ccacgaagtc 300
tgaacgcaca accacattct ctactacggt gtcttttcta acgaattctt tatttccaca 360
c 361

<210> 33856
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33856

gcgctgccga tganactgag ancnatcgaa gagcatancc agaattcccag ctccgggatcc 60
gcggatactt tagagtcgac ctgaggcctt cagtctatca caacgggaat ggtaaagtac 120
tagctgaggc tgatattaac acggtggcca tgtgttcttc tgcaagaaga aaggacacgt 180
gaaacagaac tgcctcggct tcccacagct ggcctcacca cgacaggtaa actcactctc 240
atcactctgc tatgaacctc ccacgggtag tgtaatatc aacacctacc tgattgatcc 300
tgcatctccc atccatattg caccctctt acagggcac gaaaccatac cgaacccatc 360
gcgaactgac aacaccattc tatcacgcaa taacctattg ctacattgtg gaggccatta 420
gaactcgctc ctgactttcc tcagcgctct atattcccct agatacgact ctttatgttc 480
aactctctcc ccactccc 498

<210> 33857
<211> 438
<212> DNA
<213> Glycine max
<400> 33857

cggcctggtc tgacctatat aaacaattgg ctacgctttt gctcccccaa aaggcgatta 60
aattaggtac gttaagcttc cgcataataa aaagtcttat aagcctgata ggccgacctc 120
tatatatata tatatatata tatatatata ctatatatat acatatatat acatatatac 180
tatcttgtgg gcgccataaa tattcatctt gaaaaacact cgcacaccac atccctataa 240

tcaaccaaag gtctacttac actgogtgca cccttctca tctatcgacc taccctttg 300
 ctgtaagaca tccttctaca tacaactatg cgcgctctat ttctataacg tacattgtcc 360
 cgcagagaaa taactcctcc tctcccgctg tatcttgccc gtcccatgac aaacacggct 420
 ttctatgcat ctcacccc 438

<210> 33858
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 33858
 tcacgcttat actaatttat cctaccatgc tcagactgac cggcggactg aacggaccat 60
 tcacccgctg gacgaccttt tgagggcatg tgtcttaaag cacaagggca gtcggcacag 120
 tcttttgacg ttgatagagt ccacttataa cagtagctct cctctacca ttagcatggc 180
 tccctatgaa gctctgcatg gtacaacgtg ttgcacaccc ctatgtctgc tatagcccg 240
 agaagacact caccacgcc ctgcactggg gcacaccac ac 282

<210> 33859
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 33859
 agtgcacaat atcatctcta atatttctat gaagagtttt tattttaaaa tccttgctta 60
 gcaacattca cttttttgcc cgaactagca cagaatatgc ctagtattta cttaatagca 120
 tcaatctgct ctaagtttgt tctgcacaa catagaaaat catttgcaaa ggcaaggtaa 180
 gaattttttg gaccaccttt agatgattca ataggcttcc aaattttctg ctccactaca 240
 tcattaatca attgaaataa tctctcaatg caaagaacaa atagatatatac agagatagga 300
 tcctctatca cactcctcta acatgaatga atttttcaag agcttctcca ttccacatca 360
 cctg 364

<210> 33860
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33860

actcaagctt gcaatctcct ctggacactc cacataacca gtagtaaaat aatgccaaat 60
atgagctntt ttttagctta agaaaatcta gcttgacaat agtagaataa taccatacaa 120
aaacacaaac taacaaaata taattaaacc ctttctccat tgtctgatct aagcatttca 180
ccttgtgcaa canaggtgct acaaggtact aaaatcagac aacagaaaag cataccttga 240
tccttgtcac atttgcttaa acatatcaaa atgttgatgc cattctttnt ctgacatcaa 300
gatttcagcc cttggagttg ttctcccact tgcttttaaat ttctcattaa caagtaacgt 360
ggagaattca caccanacag ctttcacttt aatgcagaag gaanaccaat caactctcaa 420
gcatcacat 429

<210> 33861
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33861

gccgcccggt gagcttgana ctgagacttg anaacccaaa actaagcggc ctatgaggac 60
tacacagatt taccocgttt acttttttcg agagacgacc acgaccgtca cgtcatgacg 120
agtgacatac cacaacgcca actctcttta cgctgtagct atatgccacg taccatcca 180
ttatctagtg aatactaggt atggcctacc actgttctac tatacaatgt gaaattctag 240
ccgtctacta attcaatatg gaaacacata caacattctt accttgcaat caccgatgat 300
gaatcacatt cggggacact tatatctcat ctaagtgtgc actcataact catatcaacg 360
aaagcgcaga aactacatat tgtgcccttt ccatgaccct acgacgtgcg ataccagatt 420
atattacgcg gactatactg accg 444

<210> 33862
<211> 154
<212> DNA
<213> Glycine max

<400> 33862

tttcatgcaa gcttttttga gtaaaaacat gggaccaact cattttatatt caaaaccgaa 60

gtcgtatcta gtccatgtct gagagaccat acaacgttcc taacgatctc taattatgtg 120
ggccattaag tctatcatac gctgacaata gccg 154

<210> 33863
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33863

tctcaaggag gtgagcttag ttatgatatg ggtgtgtgta gctaagctct agcttctcaa 60
ggaagttttc tcaaagaagt ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgagagtc 180
ttgtgagaca aaactcaaag ttcaacttct ctcccttttt cttccttcaa tttcgtgctc 240
ccccctatct ctttctctcc cactttcttt tcctccattg aagcatcctc tccaaggctc 300
atcttggtgg tgaagctcat tcttccatgg cttattcctt agtagatggc gcctcctctc 360
acctcttctc ctttgtcttc cactgcatct ccatgggtgga aaatcaccat taaaggacct 420
cattanagct canagatccc agcctcata 449

<210> 33864
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33864

ctataaaaact cagcttntat agctttgtta acctatcatt taattataat ttttattaat 60
gcaatcaatc taaagcaaaa gaaaaaaaaat gcaatcaatc gtttccaaaa ttcttaatag 120
aaattttaat caattgtcaa gctatttaag caactatcta ttattaaaca catatattaa 180
atattataac atatatannt ttgcataatc aaacgttggg ttatcttggt taattttcaa 240
acctgatatc agtgtaaaaa atttctaatt attaatgcaa agtctattct ttttctcata 300
tctataattc tagttcttaa tattctgttt atctaaatct ttaatttcaa aatattttat 360
ctaaagggtc ctttaatggt gaaattgaac gaatagaaaa taaaaacttt aactgtaaat 420
aatctattca caaatgattt tcttatata 449

<210> 33865
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33865

taacaaactt agaaatcaag tgatcatgta ttccgattat aggggggagan aacggatgca 60
 cattntatct atatacaatt gtttgttgct tgaatcttga tttcaggtat tgtattgtca 120
 tcatcaaaaa ggggggagatt gtagatgcaa ttggctttga tgttttgatg atgatcatga 180
 tgatgtgttg caattgatgc aaatgggctt ttcaagatta aaattcaaga caatacttca 240
 agattacaag tcacaacatc aagatgatca ctagaatatt aggaagggaa ttcctaattg 300
 aattagcaaa ggtttggcca agtgatttaa aataaaaagt gtttttcaaa gcttttactc 360
 tctggtaatc gattaccaga ggatgtaatc gattaccagt ggccaaatac gttttataac 420
 agcta 425

<210> 33866
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33866

agcttcaata agcaggaaaa ttggactaaa tctntcaagt acactctttg caatttgaaa 60
 tgggccctct attggtttgt tggaaatact aacttcagc ccctttcagc aatggatatct 120
 tcgcatgctg aagtgcctgc tgtaagggtct ctgtacacga agcgtggtgt cgatgccaaa 180
 tctgaatctc gaaattgaac ctactaatca tatgctaggt taggctacat agttaggcca 240
 catacaaatg tgtacataga actacatagt caaaattggt actcgatcaa attgaaaagg 300
 atgttataag ggtctctctc aatttgaaga caaaaagggt gctgatttgt accactaatt 360
 ggattgaaat ttacagcatt ctcttaataa gaaatcaciaa tttgatgt 408

<210> 33867
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33867

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tgatcaaaac anaatctata cattccaatc cacttaattc atacaatttc tcattcaaat   60
caatcacaac acttcattct atacaaaatc aaaccactga atcatattca aatagttcac   120
tattcaatca tgcttttgta caagctacta ctacaaacaa aataactgaa atttaaaaga   180
ctaaaattta aagactgaaa ttanataac taaaacataa acataaaata aactaaaata   240
gaataataat aaactgttca aaatgcaaga caagaagata aagatcctgt caatccacct   300
gtggatgatc ctctgcatgc tcgttcaaat ccaacaccgg agcagctggt ggatcctatg   360
aaatgggctg cttttgctcc aatgctggtg cagatggctg gtaatcatca gtaattggtg   420
ctggagagac aggaactaca gct                                           443

```

<210> 33868
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33868

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agcttgcccc ttgatgacgg tttcttgtgg acgaaggcat gcacgtattg tttcatcatg   60
cgatcncaaa cttccgttcg tccatctgtt tgtggatgat aagctgagct catccgcaat   120
ttcatgtcgc tcatctgaaa caggtcttgc cagacaattg cttatgaata atgggtctct   180
gtcggagatc aagctgcgtg gcatgccatg acactctctg acgatgtcca tgaacaggat   240
gacgactgac taacctgagt gctgagctgg cagcatgcct acgtgtatgc ctcttgaacc   300
tcgatctact acacacaata tggcagtatt tctgtgaatc                               340

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<210> 33869
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33869

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ttccatacct tgagggaact caactcatct aagattctat ataaaggttc tnatgacta   60
gtacccttgc cattaacact agatgaatga tgactcatgt tgcttcctaa gttgtgggtc   120

```

tttcttggtg gaggtttgaa aacaaaaggt aaaagaaact atggttgaaa ctagccaaat 180
aaacactaaa agaggtgtga aagataaggt aaaaaactaa ttggtaaaag gaaagctatc 240
tangcggttt gacaatggaa ggtaaaggaa ataagctatg aaagtaagca agacatgtaa 300
actaggcgaa tcctaagagt gtttgatga ccacattcaa gggtcccaac anaacactca 360
ctatcctaag gaaaaattgc ctaaaattat tacacacaaa tggaagtgtg gtaacctatt 420
ggaggctccc aacacacttt caatgaaagg cctt 454

<210> 33870
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33870

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aaatttattg ctgtttgaac tttctaggag tttctgtttt caatttctag tgtctcgata 120
tattatggga ctcaatcgga gatcctagtt aaaagttatt gtgatttgct tatgaaacga 180
gctttcgttt tcaatttcga gcgtctcgat atatgacggg actcaatcgg acatccgagt 240
aaaaaagtta ttgtcgtttg aattntatac gagcttccgt tgtcaatttg gagcatctcg 300
atatattacc ggactcaatc agacatccga gataaaagt acagcggttt gaatttgcta 360
cgagccatcc gtttcaattt cgagcgtctc gatatattat ttgactcact cagaaatttg 420
agtaaaatgt tattgtcggt cgaatctgat ac 452

<210> 33871
<211> 268
<212> DNA
<213> Glycine max

<400> 33871

cgcttgtagc tgtattcgtc tattcattgt gtcgcacacc gaatatctgt ggtctctggt 60
tacctgcgca catctcaatt ccttattgtg aatcttttcc atttgctagc tatcataatg 120
gtaactcgta cgcgaaatatt caaacaacga tacctgcata ccccttttac tctattttac 180
tatcaattat atcacatggt atagttacag aattaacatg aattgcgtct aagaaaaata 240
actaatttct caccacaacac catatcta 268

cctccaaatg cgcgcttagt acacatgcac agtacaactg acttctagtt tggcctctca 120
 tgctgagtac actcctccaa ttcttcatgc atttttttga tgatgtacta atactctata 180
 aaataaaacc aaacagtata aatttactca ctttagcatt ctgaaactaa aaacctaata 240
 ttttatcttt ttagataaaa aaaaacatta aaagaattag ataattacta tataatttaa 300
 atgcacaaac taaatatgga taacaattat caaattaata gtaaaaaagg ttcaataaat 360
 gacataatag ggatggcgaa ggggtacaca aagtcacacg gaaagatggt ctgagatgat 420
 tatatttttc aacaagactn tgcttttgaa t 451

<210> 33875
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 33875
 ttaagcttta agcaagttgc ttcacaaata atcatcacac agtatgcaac tagcaaagcc 60
 acccatcatt atgtccgaag cacctatacg catgaaattt atgagagaaa gaagtccacc 120
 caaacctgaa ttgtcgaagt ccagtcgta tgcacgcact tcatgacccc gaagatgctc 180
 tccttttcgcg atttggggca gaaatgatgg ccaacggctg aagctttgtg tggagggttc 240
 atggagactg aagaataaga gaacgacacc gtgaggggaca gagagggctg tctgaaatga 300
 ctg 303

<210> 33876
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33876

tttaagttgt gctgcacaag gaggatgtat gaacatttca tctttaattg ttgagtttaag 60
 agtgtgcagg tagtttctaa catttggttac ttatttttat ttgtagaaca agttgaaaat 120
 accatgcatt tcatataaag atggggcatg aactanaaga aacaactggc atcaaggatc 180
 aagctggact tcaacacagt gttgtgattg ttgtggaggt cgacaatgga aaaggcaaac 240
 tgagagccta ctttggcgat gaaattatgt ttattattaa tgagtaccac acttatcaaa 300

agaattattt tcattctgac actatcataa cgggaacttc tgtgtgcata ttgaaacaat 180
gagtcttgga tactcgtttt atcttatatt actatcagtt atatcacatg ttatagtgac 240
agcgctcgca tgacgtgcgt ctaacaaaaa tacctactta ctcaccatac actatatcta 300
taggaaacct tacctgagaa gacaatagct tcaagatgat cagctatatg aatgtaata 359

<210> 33880
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33880

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ttaatcacia aatcatattc tataccttca cattaatcac atgttcataa cacaacatct 120
caagtacaac acaacatctc tcacacacia ttcattaccc accatcacat agcaagtcac 180
aatgatcatt acacagacgt tatgcaacat atatactaag actcaatcct atattgaatg 240
tggtatctta tcagtgaata ataacgctag ggcacctagg attacataat aaaatacacc 300
acacaatggg taagcaggtc actcttatta aaagacatca taaggatgat aattacgggt 360
attctgttta gcgtgaatgc tctaaccata tgagatcaac atagatntaa aggagcactc 420
acatcgagt 429

<210> 33881
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33881

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tttgaaaatg gatctttcac tctgtacctg caaggactgc tgacccttcc acctgatagt 120
tcattgaatc aattgacaca atatatacata agacataagt ctcaaagttc ataaatagag 180
agagccacac ggtcaaaaata agcacactaa ccatgactgc agaaacaaat attgaaatac 240
ataatatacc actattatgt gtagcgcac tcttcaattc ttgtacctaa aactcgattn 300
tcttggttaac cacacgcaa aagaccacca aaacgagact tgtcaaccac ttgagagcct 360

aactgaactt gcttagatta taattctgct cttacgaact tacaatgcta t 411

<210> 33882
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 33882

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 gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctgc ttcaaaggat 120
 aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180
 tcactaaaga ccaagccttg ccttataaca aagtgttttc aagacatgca aggctctggt 240
 aatcgattac caggaagtgt aatcgattac cagaggacag gggttgagaaa tagttgttga 300
 aaaaggtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
 accaacaacg gaactttgga aattcaaatt caaaagtcac aacccttcaa attataattg 420
 tgtaatcgat tacacaaaca ttgtaatcga tta 453

<210> 33883
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 33883

gggccaatca tagggtgcta cactactata gccacacttg gcgaatgaac tctccgacag 60
 gatacagatg tggggccgaa aattctgcc aagtgacaat gatgttctcc gtagtcaccc 120
 acatctctca tagacctcac aggaatatat cataatatga tgctctatgc tgactatgca 180
 tatcatgtca taaatgacat tctgcagggt aggaccggag acctttacat catgacttta 240
 acagtccaga catctatcta ggatatgatt cagagtgact atcaatatat cagtcgcatg 300
 aactagatt accttctggt gcaatgctgg acctatggca cgacgtctac ctcgccatat 360
 ttcaccatct gctgagatga gcccg 385

<210> 33884
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33884

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tttggtgttg tcaaaatata agtttattaa aaaaaaaac tcttgactct acaatagaaa 120
attcccatga atagccatct ctcaagaaga ttgatgggtt cgacttttgc ctcccttaat 180
tntttttaga tttaaatatg tttttgttct ctcaaatttg ggtcactttt atttttgagg 240
aactaaaaat agaatttttt gaaattgaag aactaaaaat atttttaaatt tttggaccaa 300
aataaaataa ctaanatttg agagacaaaa aatatattta agttttttta ttctataatt 360
taaatagttg gtttaattca tataaagaga aaacaattca tttatatcct ctctaa 416

<210> 33885
<211> 182
<212> DNA
<213> Glycine max

<400> 33885
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attaaccaag ggagacgtct ctaatgcagc agatttcgac gctggcaata tatgttcact 120
tggcgtaaga attagcaagt gatgaatgat ttacttgtgg atgaacgtgg ccacagaccc 180
ct 182

<210> 33886
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33886

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accctatttt taggcctggg aatcgattac acacccttgg taatcgatta ccagagacca 120
ccttaacttc ctgtcttcat ttttaagcct tgtaatcgat tacacaccct tggtaatcga 180
ttaccagagg ccatattcca aatatcactc aagatccata gctggccagc caccacacaa 240
gcctccttgc tttgtgggtct ttgttctttt atcggttgac tgccaggagc tctcctgttt 300
aagtaoctca tangttctca ctgaatgact atgcccaggt tgggtcggga ttggtcaagc 360

ttggttntgg gcaatagcac cccacctggc atccncaagg tctcctggcc cccacgacat 420
atctccaggt accactct 438

<210> 33887
<211> 409
<212> DNA
<213> Glycine max
<400> 33887

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tggagaactt gaagagcact ctgagagtgg ctggagggtg gcttgatgat gctgagaaga 120
aacaaccaa actctccagt gtcaaccagt ggctcattga gctcaaggat gttctttatg 180
atgccgatga catgctggat gaaatttcca ccaaagctgc aactcacaag aaggtacgta 240
aagtgttttc tcgctttacc aataggaaaa tggccagtaa gttggaaaaa gtagttggga 300
aattagataa agttctagaa ggcataagg gtcttccttt gcaagtgatg gcacgggaga 360
gcaacgagcc atggaatgct ctgccacaa catctctgga agatggata 409

<210> 33888
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33888

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tgaagcacca ttatggattc gtttcttggt cttcgtatc tagttcattt cttcgaggca 120
aatcgtaac attctagggt gtggaaatcg caaaccgta agctttttgc ctgctcgtcg 180
tctagttggt ttttagaagc aagaatgtcg ttctgtttgg gtgtcaaagg tgggtggttaa 240
aaaacatggc tgtcgctga aacatgtcat cgtcagcgtc gttcccatgg aaagaagttc 300
ctcatcgta accttagagc cccgaagtcg cgtgatgtgt ttgtgtaacg tagagactcc 360
attggtgaca tcgtggatng aggataatcc acganagctt tntatggttg tggtaaatat 420
aaggtaagga ataatgtata tcgtgggtta tgt 453

<210> 33889

<211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33889

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 acgttataat ctggattcctt gttgacaaaag acagtagtat aggggaacatt acaatgcaca 120
 gaagcagtag gcaatctatc tatcaagtag gctgctgtag tgaaggcaaa atccccaac 180
 ttgagaggca gtgaagcttg tttaagaaga gcgagtccta attccacaat atgtttgtgt 240
 ttcttttcca ctacaccatt ttggtgatga gtgtgtggac agatcaatct aagagtgata 300
 ccttggtctg ctaaaaaatt agtgagaggt ctgaactctt ctctcaatc tgtgtgaaca 360
 ctcttaattc tggagtcaaa ctgaagttca ttagcttgaa ctggtgaaa 409

<210> 33890
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33890

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 atcatcatgc tttgataaat gcaaaaacaa gaaaactagg gcaaatgaag agggtagaga 120
 tgagggagaa gcctatgctg tgacagccat tcctatatag ccaagtttcc caccaaccca 180
 acaatgtcat tacttagcca ataacaaacc ttctccttac ccaccgccca gttatccaca 240
 aaggcaatcc ctaaatcaac cacaaggtct gtctaccgca tttccaatga cgaacaccac 300
 ctttagcaca aaccanaaac accaaccaag aatgaattn tgcagcgaga aagcctgtag 360
 aattcacccc aattccagtg tcctatgctg acttgctctc atatctactt gataattcaa 420
 tggtagccat aaccctagcc aaggttcac aacct 455

<210> 33891
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 33891

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 tgacgtttga atcacgctga ctggcggaga tacccgagt gttatccgta taaactttct 120
 tttgctatgt ctaagactta aagcatgaca acaagctgag ggggtaatcg cgcagaacat 180
 attctgcacc tttatcattc ataatcgcac ccgacgagt ggtaaacacg ccgatacata 240
 ttatgctccc tttatcattc atgaacaaca agctgagtg ggtaacgcct atccatagat 300
 gttgcgccct ctatcattca gatttctcac gttgcgcgat atacacgcag aaacaaatcc 360
 t 361

<210> 33892
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33892

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 tagaggtaca tgtaattaac taataagatt tcctacgtgt taggtataat tattaagaag 120
 aggcactatg tatatagact nttatatata aatcttatta gagttttaac acaatctcca 180
 ctggtggttg aaatttattg agaattataa aataagaaga atgactcatc aaatgactag 240
 tgggacctgc caaatttggtg attnttaaga aatttgagcc aacaataaag agtgtgttca 300
 acagaatgtg ttagagacag tgttgctagc atttctctgt ttaggaatgg tgtttgtagt 360
 tattagtga aatagaaata gaaaatatct tccttatgtc aaacaggctc ctgattntca 420
 gtttcctcag acttggtgctg tcatgtgcga ta 452

<210> 33893
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33893

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 ttgcaatcct tggccacaga tcagcacact cttttccaat gggaccagt atagcagaac 120
 ctacattgaa acatgtcaca aacaaaatta ctaccagcaa atgcatcaat agaagggtcaa 180

acggcaaaga tgaagagaat aacaagtaca tgagaacatc tcatctgtat ttctttcttt 240
 ttgaaagcca aaaataatca gtggctactc actacataaa catgcacttt gttaccatgc 300
 anataaaatc ataaacgata cct 323

<210> 33894
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33894

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 tctgatcaag ttgtatgcaa tgggtgaccg atctctagaa gaaatccttg ccctaccgtg 120
 taaaccaagg aaaccaagac ctgtcaaaga gataattgct ntgatgcatt gattaatgac 180
 gacaacaagc tctaataag atcataactc tatttagtca tgtttttaat tgatgaaatt 240
 tatgttagtt gtgggtggtg ttcttggtgt tattgttgtt tgtttttttg atttaataca 300
 aattctattc ttattacat tactaggcat gtgtcattta cacataaaaa caaggaanac 360
 gtagaccgtt aaaagtaagt tcatagaaca taaaaataag ttgtacaaa aaacatcata 420
 agtcgaatac ataataatat aaaatatcca acagact 457

<210> 33895
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33895

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 gtcatttgag agcaaaactt aatgccttgg tctaatagagc ttcttgacag gttgacacgg 120
 catcatcatt cttgaagcca aaacttaagt tgactaacat taaaaatgtt acgaatgttg 180
 ttcataatcc aataacaaat gagaaagaat gcttactaat tccatagaaa caagaaaaag 240
 aatacacatt cgttcatatt tcacaatctc aataaaaaaa cttgcctctc cataatactc 300
 attntcagtt gtattctagt atacaagatt atacacaatg caataatttc agaccatata 360
 nagagaaccn cattagttct tacagaccta tacaataccc atacagagaa cttacattct 420

at

422

<210> 33896
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33896

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aaattcataa cttcaacact tttggtttgg tatttatagg cttcaacaac aagtgactgt 120
tgtgagtaaa tgacattttt tttttgcac tagaacatcg tctaaagtag gtgtttat 180
gagtattaaa tgctgaattt aatgctagta cactccaagc taataaagaa ctctgcttat 240
cttccttaag ataaacttta caattgattt caatgggtcaa atcacnttt gcataacaat 300
gacacatctt tttttatgtg aagcgagact ntaaaactta actttgctct cactttcttc 360
acttcgacaa atggtaggaa gaataatcac atatttcca naanaaagg atcaaccaat 420
atagagcatt aaatgggtct ta 442

<210> 33897
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33897

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taacaagcta ttgtcgtttg aatctgctta gagcttctgt tctcaatttc gagcttctcg 120
atatattacg agactcaatc ggacatccga gtaaaaagtt atcgtcgtta gaaatttctc 180
agagctttcg ttatcaatta ccagttactc gatatattat gggattcatt cggacatccg 240
agtaaaaatt tattgtcgtt tgattctgct cagagattnc gctatcaatt acgaggatct 300
caatatatca c 311

<210> 33898
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33898

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atcgagacgc ttgaatttga atgccgaagc tctgagcaaa ttcaaacgac aataactttt 120
tagtcggatg tctgattgag tcccgtaata tatcgagatg ctcgaaatgg aataccgaag 180
ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac gctcgaaatg gaattctgaa gctctgagca aattcaaacg acaataaatt 300
ttaactcaga tgtctgattg agtcttgcaa tatatcgaga cgctcgaaat tgaataccga 360
agctctgatc aaattcaaac gacaantaac ctttactcgg atgt 404
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<210> 33899
<211> 317
<212> DNA
<213> Glycine max

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<400> 33899
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cgtttgagtc acgctgactg gcggagatac ccgagtgggt atccgtataa actttctttt 120
gctatctcta agactcaaag catgatacca agctgagtgg gtaaaccgcgc acaacatatt 180
ctgcaccctt tatcattcat aatcacacaa tatgagcggg taaacacgca tatacatatt 240
ctgctccctt tatcattcac gaactacatg ctgagtgggt aaacgcgtag acaaagattt 300
tgcgccctat atcattc 317
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<210> 33900
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33900

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aaaattggat gtgggtaaga tggatttcga aatctgctca attgtgcagc aaanagctgt 120
caaattgtgc agccaacttg accaaatgtg cagaaaaatg cttgtgcatt gctggttatg 180
ggaaaggtag tacacattgn gttctagaca ttttctagta gatcccaacg gtcaaactgt 240
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agatttatgt actaggaacc tatagtaaaa ttttcaagtc gatccaacgg ttaacgaatt 300
 ggaacaaaga gaatgttact gnggtatttg agtaaggaat gctataatat gtgaatgtgt 360
 tttgggcaga agtttctgcc tcttgccctgt tttcttggtt taaggtagtt catg 414

<210> 33901
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 33901

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 ttgaagaatt cgattaatct ctaacctttc acatatatag aacctgcttt gcacataact 120
 ttgcacatga gagatgctga gttcgacctt tcaaataatc tgtcttccta gcgggttgta 180
 gtagctaaac aataacaaga cacagagacc ttcacatctt gattggagtc taattgtatg 240
 cgaatcctac acgacggata ctcttagatg tgctatcaga atagtagcta ccatgatgaa 300
 agccacttta atactggata tta 323

<210> 33902
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33902

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 tcccttatcc agtttaagac caaattagat gtgtttttgg ccaataacac aaaagaagat 120
 gtttgtgact ttaaggtaa aggtagttgg ttggaacgat cttgcgttgt ttatgctggg 180
 gaatctaaca acatcgtagc ccaggtaaaa cgatctcttc tgtttatata accaaaacaa 240
 tctctctttt nctttntttt tttttttttt ttttnaataa aaaacataat aggttttaat 300
 taagaattta atgcctatgc tgatgggtata atatcattta attattactt taatataata 360
 attaaaaaaaa attaagaaac ttatcatata tctatgctga tgggtataata tcatttaatt 420
 attactttta tataataatt aaaaaaat 448

<210> 33903
 <211> 494

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33903

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tcagntcgca cccgggatcc tctgaggctt ctggattatg caacctctta tcccnggcac 120
cgtggatggg ggtgaagctc cttctttctg acttattccc tattggatga cgctctctct 180
cacctctttt gctttatctt ccgacgcact accacggtgg aaaccacca tcgacgacc 240
tcattgaagc tcacagaccc agcctcatag aagcttaca gcaagcttac atcaagtgc 300
aatccgagca caagagcttc cagcacgcgc tccttaaccc tccattaact ttcagcttta 360
gcttcgtctc cattgtcgtt atccatttat ctccatgtat ctgctcacat gccttgctgc 420
aaatgatgtg cacatgactc ttgaacatct caccgactaa acttgctata caaagtagat 480
gcgactttct atcg 494

<210> 33904
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33904

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caagaactat ggctgttaac tgaaatcacc atacctcac aaaagttgtg tattagttca 120
gatatctaga tcacatgctg aggtatataa tttgattnta acttatggga gaagctcaat 180
ctatgttacc ttcttatttt ctctataat ggagaagttc atccaaacat aacttgccat 240
aatatatcc atcaacttgc ggaaacaagt taagattagc ttatattgat aatttcgcaa 300
agaagcttat tgttacaagc caaaaatata agcaatcttt ataagtctga agatgctctg 360
tggaagctaa atgctctaata tgtaaaactaa actactggcc ttggattttc acttctacct 420
caat 424

<210> 33905
<211> 373
<212> DNA
<213> Glycine max

<400> 33905

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cgctcaacaa ttcgttttagc tctctaccct tccacatata tacaacctgc tttgccgata 120

actttgcaca tcacagatgc cgaccttgac ctttcacata atttgtcttc ctagccgggt 180

ttagcagcta aacactatca agacacacaa accttcacat cctgactgga gtttcatcgt 240

atggcaatcc tccacgacaa acatacaaag acgtgctctt acaataaggg cctccatgat 300

gacagccact ctaatactgg atattattat catcctccct tataacacac taattgaggt 360

cccaaataac tcg 373

<210> 33906

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33906

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tgtctacaag attgacttgc ctagtgagta taatgtaagt gccattttca atgtgtctga 120

tctatctctt tntgatgcag atggaggggc cttgggtttg aggacaaatc cttttcaaga 180

aggagggagt gatgatgaca taaccaaggg caaggaccat gaagcacttg aagggcctat 240

gaccagagggc agacttaaac aagcccaaca catcatagag acaaggttgg tcatttgtat 300

agctgccatt gatgatgatt gaaggcccaa gtggagaaag atgaatgcc agaggcagag 360

gcactaccaa gactacta 378

<210> 33907

<211> 397

<212> DNA

<213> Glycine max

<400> 33907

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ccaatgggtg atatttatag gttgtgttaa gatgtgtaga tctagtggca ctaagtctct 120

ctggaattgt ttgatcttgc gattaagtct cactcaagct gctctgcttt cactttagtt 180

tgagtaaact tgtgccttca tagatataac tctggaaca

399

<210> 33910

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33910

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tcaagcaagg atcaacagct gcagtcaatc atgtttgggtt ggtgaaattg ccaaactagg 120

tgccaaaagg acaatattcc aaattggcaa taacaaacat gaatgattac aaagctcatg 180

cttttgggtt gactagtgtt ttttaaggta tcaatgtcta ttcacactag agatgtgttt 240

gcaatttagg ttgttactaa cagagaactg aatcaagacc tattttgcgc tnttatctaa 300

tattttcata ttttaagatc ggtaaattg tcaaaagaac aattagacta cagagaattc 360

atagtgatcc ttatcttntt ggtgtataat aacagttcga atctaaatca tcaagcatct 420

atttcaattc accaccgtta agccgatcat a 451

<210> 33911

<211> 368

<212> DNA

<213> Glycine max

<400> 33911

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taacgcatgt tgaagattgc aaaacaactc gctcaccggc accagcgtcg atgatgatgc 120

ctcattgtcg aagttogaac accgccacct gaggatcatc ataaaacgaa gaagccgaac 180

aggattccca tgcttgaagc attgccgccc aggaggaaaa acactcattc taacgcatcc 240

actcgtacca cgatcgtgtc ggaccatcca tgtaaaacgg cgccactatt actactgtat 300

ggcgcgagac tccttgatag tccaagaact gagatattct acatatccac accatacggg 360

tgtgacct 368

<210> 33912

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 33912

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 cctgagtgac aaagaaagcc ccttcatcca agggaggtga tggaagtcct tcttcttcat 120
 catcatctac aacggatgga ttactgaat ctggtgtacc ttcttctgaa ccaacaaagc 180
 atttaataaa gccattttca aacgtgaaaa aatgccgaan aaaagggact aaaaaacagc 240
 gagatgaatc tgattgtaac caaacgaagg tagataaaat ttctacctgt gatagctgtg 300
 gtagtagtgg ccttaaccca ctcatccacc atttctttcc agccactgca aagtcaggag 360
 gaaaagttaa gaatgcaagt tggttcagaac acaagtgaac aaaattaagc catacaccan 420
 anaagaataa tagctaactt aagtagatga aatgtgctt 459

<210> 33913
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 33913
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 tacactcatc tgggctagtc ttgctcacac tgcagataac agatcatata ctatctatgt 120
 tagtagctga acgaatctga tacatttatg aattgttttg gactctagga tggtgagcca 180
 atgacaccat ggcttgatat agctgagtaa ctactccac atctgcattg acagtctctg 240
 gacatccatc taagggtgaa ccatcatctt attctctcat cctac 285

<210> 33914
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33914

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 atgccattgt ctattttttt ttatatgtat acaaataat tagaaaagta aaacaaaact 120
 gcttattcta ttaaaaaaag gacaattntc gttnttcaat acattaaata ctaaattgat 180
 tggcaatgct aattntaaga attaaattga tggctntcta tttttactgt tttccaaaat 240

aagtttagtt aaggattcaa gaggatgttt tctttttttt tttaaaaaa aaagaatagc 300
 atttaagtgt accgatactt ccacaccttg attntaataa aagtttccta attgaaaaga 360
 tattcctata aagaattaaa aatggacaat taaataataa taaattnttt actatcatcc 420
 aatcataatc tataatatat gataaattt 449

<210> 33915
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 33915

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 tacaaaaaaa atgaacatat tagcaatgga ttacgtgttg gggtttagtac aagatcaacg 120
 ggttcctaac acaccaatct aataacttcaa tcaattacca aaaggctata ttggttccat 180
 ttgatagtta cataaaaagta tttctaatat ctgctgagaa aaagtatgat ctattttgca 240
 tttaaaaata tacaatcata atccatagag aaaaatagat ctatgtaacc caatgtgcat 300
 t 301

<210> 33916
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33916

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 ttcaatccta taacgcaaca tggcggacaa aagtgggcag ttaacttgaa tggccattat 120
 tgtcaatgcg gaaggatttc tgcgtttcac tatccatgtt cacaattat tgcagcttgt 180
 ggttacgtga gcatgaacta ctaccaatat atggatgttg ttacaccaa tgagcacatc 240
 ttanaagcat actccgcaca gtgggtggcct cttgggaatg aagcggcaat tctccttct 300
 gatgaggcat ggacactaat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
 tcaacaagga taaggaatct aaccaccgac aaaaatgtag tagatgtgga gcagaagggc 420
 acaataggcg ccgatgtcca atgcaa 446

atctttggga gttgagtgat cgtaaagcat tgttcacgcc atttcctgaa gagatatctc 360
 ttttctctca acaacttcat tctgttgtgc tgttcttgga gt 402

<210> 33920
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33920

ntaggtagaa agacttgctn tcatgattaa nnattttgtt ntattttttc cccacttgaa 60
 ataagcatgt ataaaccaat cccaatcaa aatggctaan aattatatcg accatgcttt 120
 aaagaaacta caaatgttac tggtttctctg tgagaatgtc tttatgggtgt tttattgtca 180
 gactctgctt cgataaattt gtccataaaa agacaaataa atgagtttct tctataattt 240
 aaaatcaact atgcacaaca ttnttaaatt ttctctcatt ctaataattg tctaanaatt 300
 aagaacatga gttaattnta gcttattgggt taannatcaa tatatttata tattnttttn 360
 tattntcttc ggtaagtact tgtgaagaag tttatcanag ccttaattag cacttagcat 420
 cangagtcac t 431

<210> 33921
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33921

tagcttctac aagaagagat gaccagagg atcaaagatg gacttctcat aaaaggtaag 60
 gagctgaatt aaagcatgtt gaagattgca aaacaactcg ctcatgggca ccagctcgat 120
 gatgatgcct cattgttgaa gtttgaacaa cgccacctga ggatcatcat aaaatgaaga 180
 agcaaaacag gattccaatg cttgaagcat tgccgccag gaggaaaaaa actcattcta 240
 aggcacccac tagtaccaag atagtgttg accatccatg taaaatggcg cactatttag 300
 tagtttatgg tgtgagactc cttgatagtc gaagaactga gatatctaaa tatccaaccc 360
 atacggttgt gacctgcana cggtgggaca 390

<210> 33922
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33922

tgtaagtcac atgttgaacc cattttttgt agtagatcaa atcaaggtct tggaagtagg 60
 agtggaccaa agagaggag tgatgttgaa gttctggttt atctttgttg ggttcacatt 120
 caaggcttaa gtgaaaatca ttatttcatt cctttcattt gaactgcttg atgatcaaca 180
 aagttaaaga aggtcttctg tttgagagga taacgtgtta gctntagttt agtcacatta 240
 ctattgaaga taagggttggg gtttttgtac ttactaatcc ctttcagggg aagcgacatt 300
 cactaatggc tggcatgaat ttgttaggaa taattcacag ttntaaaaag ctgtaaactg 360
 gtagttataa nggtgggttaa gtttgttttc ttataaccaa caagcagtta ctattaacct 420
 gctatata 428

<210> 33923
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 33923

agcttaacca ttatatgttt tattttcttg cataaagaaa ataaatgtgg gaaggctgtg 60
 gcatgatctt tggctctaga atcaagaatc cactcatctt ggctagtctt gctaacactg 120
 caagtaacag ataataact acctttgtta gtagctgtac caatctgatt tatttgtgaa 180
 ttgttttgga ctatagggtg ttgtggtaat gacatccagg ctttatattg ttgagtagtt 240
 aatcttacat cttcattttg cgtctcttga ttctgatcta atgggtgaacc atcaccttct 300
 tctcttatac tactagcatt attgat 326

<210> 33924
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33924

tgccagaaag ganaacaagt aaaaagttct tttaaagtca aaaatgttgt ttctacttct 60

aggccttttag agctcctaca ccttgaccta tttataccaa ctaggacaac atccttctat 120
 ggacgcagat atgggtctggt catagtggat gattacacta gatggacatg ggtaggttc 180
 ctaaccacaca aggatgagtc ttttgatacc ttctataaat tttgtaaaaa gatttacaat 240
 gaaaaaggta tttgtatctc ttcaatcaga agtgaccatg agggagagtt taaaaatgat 300
 atttttgaaa aaatttgtca agagaatggt attcaccaca attttccact ccaagaacac 360
 cacaacagaa tggagttttt gagagcaaaa atagatctct ttaagaaatn gctangacca 420
 tgcttaatga cccacccaac cctaaatact 450

<210> 33925
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33925

agctttcttt cncttgtttt tgcacttcaa ttattattca aaaaaattca tcaaaaaaag 60
 aaagcgcgca tgtggctaca tggatggaaa gtaatcaagt actgaagtga gaacttgtgc 120
 cccccaaaat ttgaaacctt cacaagtag tgttgaaaat gattaaatca ttccaagctc 180
 atccgcttag ccctaagac aatatatctg ggacaaaacc aaaagaaaga aatatataat 240
 ataatccgcg tgaacagtt agtgaaattt gtcaaatttg aaatatataa tataattcct 300
 gatatatattt ttcttccaat ttgattggga gacaaccaa cgacagacat acatacatc 360
 aaaatccagt tgcttaatca catgagctac aagtacatac aatacaatta atatccaa 418

<210> 33926
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33926

cgccgcgcgcg nttcaancgt tganncttga gcccgttcgt gctacaagcg actctatagg 60
 aatctgaaga ctttatgaga gcacggctta gtggatagaa tgctcggtta tggcagcggc 120
 tgctgtgcac actggcacga tgaaggacga gatgaatgcg ccgagccatc tctctctaga 180
 tggagccccg acgatgacct ctaacgctga acacggcaca ttacatctgc tagcacctcg 240

ctatggtaca cagagcattg ctgctctat aactatggcg gagaagcgca ttgaccctat 300
 gccccctcac ccacactctg gacgtgtcta gcatgacaca ccaaaccatcg agtggttaact 360
 gatcatactc tcagaccgga ttctctcacc ctacgttgac atgacgctcc catagcctat 420
 ggactccctg agatatcggc cagatcagct ggcgcgcaga ccttcaaa 468

<210> 33927
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 33927
 gctttaatgg cctagtgagg atggagaggg gcaactaaga agccagtgga gtttgatata 60
 tccattgaac agtacaatga taagggtgctt tgtgatgttg ttactatgga cgctagccac 120
 ttactcttgg ggagaccatg gcaatttaat aagaggggcta atcatgatgg tttcaccaac 180
 aatatctctc tcacggatca acgcacaaag atgtgctcta accattgagt ccacaagaag 240
 tgtgtgagga tcaaagacaa atgagagaga taattcttca agaccagaga gacatagaaa 300
 acagagccaa acacttgaga gttcaaaaag tgacgacaaa cagagggaaa cacacgagag 360
 gacacagatg agtgaaacac ttg 383

<210> 33928
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33928
 tgccacccag ctgcccagg cgagcagggt tgcttctctc cagaagaaac agccttctgg 60
 aggaatcttc tggagagccc aagtgggctt gggttgctat tgcaccccca tttttactaa 120
 gtacacccct tgctttttt ttgggtgattc ttnttctgta aagttacgga aacttacgaa 180
 tttcgtaacg atataaagag atttgttata tagaccgtgt tgatatatag accgtgttga 240
 tatanagaaa ttntatttag cattgttaact acgggtttaca ataatgccat anacttgaaa 300
 atcctgatga gtcattagag acatctaaca acaactntca naattgcccc atgtgtggtg 360
 tcacttgtca gtgtaggat tcaacaagcg attcttctca natttcagcc agcccgcatc 420

aataaacctt gcacctt

437

<210> 33929
<211> 200
<212> DNA
<213> Glycine max

<400> 33929

agcctcatga aaaatcttat ctctcatttt tggagcatca agaggactca gcataattca 60
gaacgggggg atgaattaat tattaatgtg tcttgactaa ctaaaaatta tccctcttaa 120
tattactaga ttcaattacg cttttactac tacgttaaga aactaaagaa cagaaacaga 180
cacttagcca aaagtacaat 200

<210> 33930
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33930

ttgatggtgt tgagaagaaa tcacatgttt gtcaccttca aaatcttcat gattaatttg 60
atgatgtttg tgaacttttg aatgagtttt tgatgctttg ttactcctta aatatttgac 120
tttcattaat atttttttat ttatttatta tcttataggt atgtagaaaa acctgaaaat 180
tattctgtca taggaacaaa atgggttttt agaaataaat tagatgaaca tggcatagta 240
agaaacaaaa caatattgct ttatccattg cttaaagcggg atatatctct gccggcagtt 300
gttggtgcaca gattntatgg atgaagcaac aattatctga ctatggtatc cttcttgatc 360
acatacctat tangtgtgat aatactagtg ccataaatct atccaaaaac cctgtacaac 420
attctcgaat 430

<210> 33931
<211> 323
<212> DNA
<213> Glycine max

<400> 33931

cgctttatga tgcacaaaga ttgattcagt gaagtttttg tgataacaaa ggtgatgaca 60
ataagcttaa agatcaagaa caattgatga taacaaagat gatgatttca agactcacat 120

atcgagttca cgatgttcaa gattgaatca agaacactct atggctcaag aggaaatttg 180
 atttcatgaa tccagaatca acattcaagg ttccagcttc tccgaatcaa tatcacgatt 240
 catgactcat gattcacgac tcatgagaag acttaatcct gtatagtact aaaaagtttt 300
 tcactaactg agtatcacat ggc 323

<210> 33932
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 33932

tttgctgcaa gtttcatgtc actgagttaa ttacgatggc tatatgtttg ttgcctatgt 60
 gatgaccatt tgtcctaata tcaacacatc ttccaaagat taagattatc tgaagctcat 120
 ttgcaaggct attaactgca ttatatattg taacaacttc atgacatcta tttttggcac 180
 agtttcattc aagatacata tcgtaataac ttcatatctt ctatgcttgc cccatgagtt 240
 ctttacatat gatttattca ctgggcctta cgtaagact acatgtgc 288

<210> 33933
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 33933

agcttatggg cagatacgag catgtgctag gtccatgatc tatcaatgat catcctgcgt 60
 ccagctcatg acgttaaaga gtctatctcc ctgctttaat tttgttcttt agaactcctg 120
 cttttattta tttgcctatt ttcttgaata ttatctgaat ttgcctatct atctgtgacc 180
 ataggagtct aaaaaatata tacatgacca ggaatgatca aattttgcaa aacaataaag 240
 ggggttagct cgcctgcgca agcatgtctg 270

<210> 33934
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 33934

agcttcttga gacgcgtacc tagatcgatc aactctaact tgggaaggtg tagtacgagc 60

cttccttttc ttaaagcca tctgcaagac attagcacag gttagtttca cacaaaaaca 120
 taaaaataaa actgaaatth tgatatgtgc ttagcgaagc atgtcgcgct tagcgcgcct 180
 tataaaatth tacttatggg ataagcgag tagactcgca cttatcctga atacacaaaa 240
 tattttcttct gtacattaag cttaccgcag caagctgagc ttaacctaag tccacaatct 300
 ccaaaataga agagagttgg agcttagtgt agcatggcgc gcttagctat cgttatcaga 360
 atgacac 367

<210> 33935
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33935

agctttgcag atttggctct cgccagtgaa aggatcgatg tgggtctgaa aaaaggcaaa 60
 tttgatcatc ctactaggac gactgagaaa actggggcaa ataaagaggg tgaggatgag 120
 ggagaaaccc atgtctgtgac tgccattcct gtacggccaa gtttcccacc aaacccaaca 180
 atgtcattac tcagtcaata acaaacctcc tccttaccga ccaccagtt atccacaaag 240
 gccatcccta aatcaaccac aaagcctatc tatcgcaact ccaatgacga acaccacctt 300
 tggcacaaac caaaaaaaca ccaacaaaaa ggaaatttgc agcaaanagc ctgtanggtt 360
 caccocatat tccgttgtca tatgctaaac ttgatcccat atccactcaa t 411

<210> 33936
 <211> 236
 <212> DNA
 <213> Glycine max
 <400> 33936

agcttttatt aaacaaaatc tgggactgac tgacgaatth attctgaata gcaaggctct 60
 taaataacat aaattgacta aatggagcgg tctgtctctc atatgttact tctatagttt 120
 tattacacac cttttacaat tgactccctg actcggaggt cattttcact ctaatagcca 180
 agcctttaaa caaaattcag aactgacttg gtcgacctca gtggtggagg tcttaa 236

<210> 33937

<211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33937

agcttgttga cacgcttata ctaacgttgt cttctgcacc ttgtgtcatc cagagacggc 60
 gagtctgatg acatgcgagg gtaccttatg gttatccgca ccttttgtca tccacagacg 120
 gcgtgtccga tgacattcgg gggtaccata tggttattcg cacctttcgt caaccaaggc 180
 gaatgagtcg gatgatatcg ggatgatgtt ggtcgtcoga ttctgattat tctttacaat 240
 cttttcagct tttactttca tcatccagag acattcaatc cgcacgacgc ataagattct 300
 tctctgctat gcagggacga tcgagttcga tagcatgtgg anacgtcgtg gctatccctg 360
 tttatcgc 368

<210> 33938
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33938

agtttggctc tggccatcag aaccatctca ttctctactt catccatctt ggaataaaca 60
 ttctgtcaa gtgagtgtct ttttgcacaa aacaaatcaa atgtgatctt ctgatcatct 120
 attcctatct ccagattacc tttccctata tccaccacac aattggcggt tagcatgaag 180
 ggacaaccta aaatcagagg ggattcagca tcctcttcaa tgtccatgat caciaagtcc 240
 acagtgaag tgaattgtcg caccttgacc aatacatctt caaccatgcc ataacgcctt 300
 gaaatgtaac gatttgccag ctgcaattca ttcttgttgc ataatttcag ctctccaatc 360
 ttttgcacat gagagcggat caaataatac ta 392

<210> 33939
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 33939

agcttgcaca tcttctcgat caggttgaca attcaaactt aattgtccct tggcagcttc 60
 agccaccgca tggttttgac tccttgaatc caattcattc tgcacccgta cctcattctc 120

caatctgtca actggagtta aatgtcgtaa ggtgctatct acttctgatt catctttggt 180
 ccgccatgat aactgatttc tctgagcaat ctctgcttca cggtcggatt gccgcttctt 240
 ctttcgcac c atcagggttt taaaccgacg ttttaactgtc atgcacacat tgcattgtgca 300
 tgtggggttg tgtttgccct tcccacttgg tggctggata cagacaatgc atgagcaccc 360
 aggtctatgc cgaggatg 378

<210> 33940
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 33940

agttttgatt aataggatat gggatgagag tgtgaaacga tatcatcatt acccctatct 60
 tattcaaaaa tctgttagga ttatatagct aaatttgaac taacttaatt aagatttgat 120
 gggttccaca taatattaaa tggtttttatt cctgaaaaca cattctcact tggttttttt 180
 tttcttttca aattacatca ctctgtagtt taattttcaa tgtacactgc tttacacttt 240
 gttctttgat taatacc 257

<210> 33941
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33941

agcttgtaaa taatcttaga tagaagtgtg aaattaagtt cttgagtgga atccctcttc 60
 taaggagaaa atctgtaatc tgtgtagtta atcacagacc cttttttata aagttcagaa 120
 tggctggcaa aagagaaaatc aagtgggtgta gttgggttaa ttaaggctag gatgaagtct 180
 aatgaggaat tggcacgttt ttgaaaccca gtggtttggt gccctagtat tgtactgatt 240
 gtgttagtga attctcatct ttaacgggtga cgattggaca tagcccaaag tttatgtgaa 300
 ccaatattaa aacctttgtg caccctntcc ttntcttttt ctttacttta ctatgcacaa 360
 atatgaaaat tggttttgat cacatca 387

<210> 33942

<210> 33945
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33945

agcttccaag aatcaagatc aagattcatg aatcaagaga agacttaatc aagataagta 60
 tgaaaagggt ttttcaaaaa ctgagtacca catggatttt tctcaaaaca tatttaccaa 120
 agacttttta ctctctggta atcaattacc agattattgt aatcgattac cagtagcaaa 180
 atggatttga aaaagttttc aaatgaattt acaacgttcc aattgatttc aaaaaagctg 240
 taatcgatta caatgttttg gtaatcgatt accagtgcct ttgaacgttg aaattcaaatt 300
 tcaaattgca agagtcacat cctttcacat aaaagatntg tgtaattgat tacattgatt 360
 tggaatcgat taccagtgat tggttctgaa taaactaaaa gatgtaact 409

<210> 33946
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 33946

agtttgtcta ttccactcca gcataagtgt cttttgctcg tagtaatact atccatctcg 60
 aatataatta tctttatctt attccgatga tattctttat ctcatgaaaa attttaacca 120
 tgattcttta ataaaagaaa tgacatttat tgatttggca ctttttaata ggaaccatgt 180
 tcctacagca taagtgtctc agtttgaata gctctggatt tgattgatct tgaatccctg 240
 gtttggatt atccaattgt gctttatctt accaccaccg ccttgcgctg gcacgtgtct 300
 ttgaagacgg aacgtgagaa gaagaacgag ctgcactttc cactaagaaa gtatgcg 357

<210> 33947
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33947

agctttttaa aaaaaagcct gatagacctc tcaggctgac ctgtttaata tgtgtgtgtg 60

tgtgtaaact tttcttgatt cttatttctt atttatttta gtatttgaca ttaagactag 120
 attatcaaat gaaacttatg gtattttact tagcttggtt attttggtga atacttaaag 180
 tgcttcgatt ataattctta cttgggttgt tgtgattagt gaattttaat ctcatattag 240
 agtgctctaa ttaattntaa cttttttttt catgcacaaa ctaaaaggga agtatgtgtc 300
 tttctttata ttaaacttta aaaagtacaa tacggaattt tcanaatttt actatatagt 360
 cattagattc ccttcatata taatattca 389

<210> 33948
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33948

agctttctgga tatactatgc atctgaatcg gacaaccgtg tgacaagtta tgactatntg 60
 aatctctcga gagcattcct tattcaattt cgagcgtgtc gataaatcat gcgcctgaat 120
 cggacattcg tgtgacaagt tatgactatt tgaatttctc gagagctgcc ggttttcaat 180
 ttagagcattc tcgatatgtg atgcgccaga atcggacatc cgtgtgacaa gttatgacca 240
 tttgaatttc tcgagagctt tcgatgttca atgtcgagcg tctggatata ttatgcgcct 300
 gaatcggacc tccgtgtgac aagctctgac catttgaatc tctcgagagc attcgttgtt 360
 caatatcaag cgtctcgaga ttatatgcgc cttgatc 397

<210> 33949
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 33949

agtttgcttc tacaattata tatacaagtc atttgatatt tatgttaaca gtgggacttg 60
 aaactaacta acaaatatat taaaaatatt atacacgatg actatgaagt gaaatatatt 120
 agcacgagtt gatgaatata gccaaagatat taggctgtag ggatattcat tgtggctcct 180
 tccatatata agtcgttgca taaattgact tggatcacat tagctgaaaa aaacctagt 240
 tgggatggat aaaagacaat tgtgatgaag ggtctttgag ggaccacact actacaaaag 300
 cagcattcta agttgggttat aaacggttct ctatgt 336

<210> 33950
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 33950

tctgcatgca agcttgggag gattgatggg gacccggtgt tgagagaaac gaggatttgg 60
 gctacatggg agtacatgag ctacagttgga ggtgggcaac aagggatggg aggtttatgc 120
 gcgattttgtg gatgtggaaa atttgtttgtg caccatcgcc cgaccgccac ctagtaccac 180
 atgtgatggg taccataa tgatacaagc ttgagatgag gaagtgtaaa aaggtgatac 240
 ttctgtttt tattcgttga ccacagagtg gtacctggag atatgtttgtg ggggt 295

<210> 33951
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33951

agctttaaaa attgtttgtt ctaaagttat agtgcgctc ttatttaagg ggagtatcca 60
 gctattccat caactgaata tcttctagt gtaataacta atgttataaa aaccaagaat 120
 cataacttcg aatcttttcc aatggaggtg tcaatattca atagcttattc atgtctcaag 180
 agaattattat cttcttgaag aaacaagaac taattatcaa tctattattc aaattattct 240
 aaaatattca atttgatctc caaatttata atcaatttaa ttcgattatc acatgattgt 300
 aaaaaatata tcaat 315

<210> 33952
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33952

agtttgtaat tgattaaaag ggaagagatt atgattgac ttccttcacc cagtttattt 60
 tatagtttca ttaattaatt acaaatacga ttgtaggaca aaaattaact ataattatat 120
 ttaaactggg caatttagaa taaattcggc agggaaaaaa atgaaattaa tataaaaaata 180

tgaggaaacaa ataattcaac gcatatttat ttgaactgaa catagaaaaa aagacaaaga 240
aatggaaggt cattttttgca ccctttnttt aaaatttttg tctgcgcctt actatccgaa 300
aacaaaaaaa aaatgttaga taatatctca ttctatttgcg aanagaaaaa tatattaaaa 360
ttaaggtgaa taatgatata tacatataat 390

<210> 33953
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33953

agcttggatg ctgcttgatc aaccttagcc ccttggtgat gccattagaa tcattgaaga 60
catgtgctct aaccccgaca acaactcaag ggatatgagg attatgaaga aaggcatcaa 120
ttagatgagg atggattaat cccaaactaa attaggaaag cagatacacg ctctatcact 180
gaagattgag acacccatga gagcttaagc tcaagtcccc attacaaaac cttcattctc 240
aacctataat aaatgtggga ttatgcatgt tccaagagaa tgcattattg atgaaagcta 300
gtggcaacca tggatgagat caactttggt aggggaggaa ataattctta tagttagtac 360
cccaacaatn tcaatcanaa atagggcttc aggcagagtc agggaatgt 409

<210> 33954
<211> 409
<212> DNA
<213> Glycine max

<400> 33954

agcttgtaat cctttatata agctaagat gcttaacgaa aggggagaga aaaatatttt 60
ttctctcatc ccttgagcta gcttttggga ttgagttaga cccaaactca cattctaaaa 120
aatacgtagg catgcgccat tacttggttt gcatagaaga aatgtgacga ataaacgtgg 180
acaagttctt agaaagagag catcgagatc acgaagattg aaacgattct tgtgatcttc 240
ttcatctggt actctctcta ttogaacttg tgctctttac caaggttatc gagagtctac 300
gtagactcgt gagagtttca tagactcgac tcgtagactc atttggtata atctgcttca 360
tataaaaatt ataacaaat atttatatat aacatactaa ttatacatt 409

<210> 33955
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 33955

agctttgcgg aattgggtctt cgccagtgaaggatcgatg tgggtccgaa tagaggcaaa 60
 tttgatcatc ctactatgac gactgagaaa actgggggcaa atgaagaggg tgagaaagag 120
 ggagaaaccc atgctgtgac tgccattcct atacgggcaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaacctcct ccttaccac caccaatta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacacacc acaataacac caacaaaaag gaattctgca gcaaaaagcc ttaggggttc 360
 accccaaatt cgggtgtcata tgctaaa 387

<210> 33956
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 33956

agcttgtggg attatgtgat agtgatcttg ccagacatgc tgatgatatg ataagtacta 60
 ctggatctgt attctttatg ggcgattgag tatttacatg gagttctaac gaacaaggca 120
 ttgtgacact ttttacttgt gaagtcgagg ttataactac aacttcctgc acatgtcatg 180
 ccatttggct aagaagattg ttggaggaac ttcagttgct gcagaatgaa agcaccaaga 240
 tctatgttga tagttgatct gcgcaagagc tcgccaagaa tccggtgttc catgaacgaa 300
 gctagcata 309

<210> 33957
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33957

agcttgagat gaggaagtgt tgaaggggtga aacttcctgc tcttattgtt gaccacagag 60
 tggtagctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa 180

cctgtgatgt acctaagcat gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
 gtggcctctg gtaatcgatt accaatgggtg ggtaatcgat tacaaggctt aacaatgaag 360
 acaggagggt aagatggtct ctggtaatcg attacca 397

<210> 33958
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 33958

agtttgttca catattattc gcatgtatga tatccactcg acaaggtttg aagtagagga 60
 gactctcaat cctataatgc aacgtggcgg acaaaagggg gcagttaact tcaatggtca 120
 ttattgtcaa tgcggaaagt attttgcgct tcactatcca cgtttacaca ttattgcacc 180
 ttgtggttac gcgagcatga actactacca atatatagat gttgtttaca caaatgagca 240
 catcttaaaa gcttactccg cacaatgggtg gcctcttgtg aatgaagcgg ctattcctcc 300
 ttctgatgac gcatggacac ttatccttga ccaactacaa ttcgtgcat acgttggcca 360
 acatcaacaa ggataaggaa tgagatgga 389

<210> 33959
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33959

agcttttcta acattatattc attttagagg tgtgaacttg caccggatc cagacaagat 60
 atagagccca atgttttact catatggatt acatgatcaa tatgagtcac ataaattaac 120
 tcatacgaat tacgtaatcc gtatgtctct tatagattat gtaatccgtc tgtacataat 180
 ccgtatgact catattatgt aatttgtatg agttaattcg tatgactcat gcgggatcac 240
 gtgattcata agtatttttt ttaatctttt ttttcaaaaa tatgtctttt aatttattaa 300
 tatattaaaa tttttaatag taagtatttt ttatttataa aaaatatact gattaaataa 360
 ttcatatgaa ttatatcana attaattggt ataaaaa 396

<210> 33960
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 33960

agcttatcta tgggggcaga atcactetca ttaactcagt cctatcagct ctacctatct 60
 acttactatc cttctttaag atccctaaaa aagtgggtgca caaaattggt tccatccaca 120
 gaaatttcct ttggggaggt catcaagagg ccaacaagat tccttgggtg aagtgagaca 180
 cagtttgtct tcctaagaac aaagggggcc tatggattaa agatttatct aaatttaatg 240
 acgctctact tggcaaattg ggggtgggagc tggctaataa tcacaaccaa ccttgggacta 300
 gaattttact ttctaaatat 320

<210> 33961
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33961

agttttattt accaggaaaa ttatagagta aattaataac aagaaaattg tgatttttgt 60
 aattgtatac cattgcatat agttgaacaa ttaaatttaa tttttcacat attgtatgca 120
 taccaaggta attactaatg aaagtatcat ctttattata tatttcatta attaaggata 180
 tacatattag ttaattcaaa atatatcttc cctatcattg acgaaaaagg gtcaagggag 240
 aataactttc aaaaaagcat tttttttgtt aagaggtttt tttttcttn taaaaaagta 300
 ttcgaaatta aatattaaac aatntccata taataataat aataagtaga ctactagtag 360
 tagtattagt attattaaat gtaattaa 388

<210> 33962
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 33962

agcttgcttg tccgatgcag cagtaatgat ggcccgggtt atgttgggga acggttacca 60
 acccggaatg ggtttaggca aagacaatgg cggcataact agcctgaata atgccaaagg 120

aaatcctggg aaatatggtt taggctataa acccactcac gcggatataa agagaagcat 180
 cgctgggaga aagagccgtg gtcaaagctc gcggctgaga caaaaaagtg aaggaggccc 240
 gccctgccac ataagtataa agctta 266

<210> 33963
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 33963

agcttagcat tcgccttttg ccatgatgtg atctccttct tgacagtatc tcctcgagtt 60
 ggagtgggtat cacagcattg aactatgttg atcgttccaa tgggatgatg gttttgattg 120
 ctgcagataa agtgtgtcat tgtgagtttc tgggcccatg agttaaacta taacgactac 180
 aaaaaatatt gtcgtatctt taagggccaa aaggataatt aaaccttcta tttctttata 240
 attctttttt accacgggtt atatatatgt agcagtttat tctaaacaat ggactacgtg 300
 tgaaatcttt gaattctatg taagacatgt tatttcaaat ttctcattac gtctcatgtc 360
 aatgatgcat gctccattcg aattctatgt ctaatt 396

<210> 33964
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 33964

agtctttata cgggcatggt tgaagcccat ttgtgatgaa ttccatgttt ctctttgaag 60
 atctcaattt aaccaagggt caaagacatt aagaagacct aacgtagaag atttattaca 120
 gattacaatg agaatacaac atcaaatga agttgtacct tagccagcat cataatggtg 180
 tatttgagga gtctgagact gagaacatca gaacgatact ctaatgatcg accattatca 240
 tgactcgaca tattatgaga cgactacgtt agaatgacgc atcgtagtct ctcatgccgt 300
 atctatgcat cggaacgatc aagcatctac atgtcttcca tatgaaatca cagatgatag 360
 ct 362

<210> 33965
 <211> 372

<212> DNA
<213> Glycine max
<400> 33965

agcttgagtc gctgatattc acctagtcca tcatatntag ttcgccgatt ctacacgtct 60
ccaaacggac cgaatctcog tgactctgtc tctatgctag ttcgtgctac gtcatttttc 120
actctttttt tatagtacaa ggaatattct atgcgtcttt tttatctata aaagatttca 180
ttgcattttt caaagcttat ttttgactta taggccttat gttttggtat accgtatact 240
tgtaccaagt tctattaaaa taaattgggt attacttttc ataaagagta cagatattct 300
tatgtggcaa tgccaatttt tcttcataat acataaccta ttaatacttc aacatttttt 360
actcctttat tt 372

<210> 33966
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33966

agtcttaaca aagcatatga tcgcatactc agagactgag aacccacga ctccaatac 60
acgcattact ctctctcgt acataagacg tacaacttat atatttcata cattacatat 120
ataaaacata gaacataacc catatgtttc atacatcata tatataaaac atataacca 180
tacatcgcat atatataaaa catacaagta gcaatgatat gggtatcacc tctaacaaat 240
aaagccaaat catgacatct aggatgtatt taaaattgca acccaatata acttacaggt 300
cgcccaaaat taaactacga catgtacgct gcaaaaggga ataaaatana tcatagcaca 360
tattctatat ctaanataac aataaactaa ggtcacaac 399

<210> 33967
<211> 364
<212> DNA
<213> Glycine max
<400> 33967

agcttcacct cagcattcta ggtatgacat atgtaatttg ttaattcaat catattactt 60
tgatacatta ctgaaactca aatgtatggt aaaccaacta cctgtaattt cgaaatgaag 120

tccatttcaa ccatgccata ggatatacca aggctacaaa taaaagtata ttgaacattt 180
 gaacctaaag catatataca cccttattta tgcacttcat ttagaaataa gttcacttta 240
 cgcaacattt aaaggcataa taagggtcct tgtgtggtac atttggttac cttattggca 300
 agagaactgt gacttatgta caagacgtag aatcaagact tcatcccatg acacattttg 360
 tatc 364

<210> 33968
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33968

agcttcaaac acttgggtaa tcaattgoga tcagcatgta atcaattaaa atagagagtt 60
 ttacttttag aagaagtctt ctaactttgg aaaccttctc ctggctccta catgatgatg 120
 catgatgcat atatgaaatg atagagacta agatgcaaca cataatagaa caatcaatac 180
 caatgtcact caagagagtt aggcattgtaa aagacaaaac ttcttcaagc tcttctttat 240
 gcttcaaggc taagtcttca tgttgctccc tctatctcta atgccttgag tatcccggtt 300
 atgcacgggc gcctgttgac ttatgcttac gtgtagattc cacattgcgt tgggtgtaag 360
 agataactac tatgagtcta ggacctttac ttctata 397

<210> 33969
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 33969

agttttcaac agtcccaaaa cccaatgtgt atgcgcaacc aagtgtcatg atttctatat 60
 taccaatttt gctagttggt aatgttgaat catagttttg ctctctcatc tagcattcgt 120
 ctcatattgt aaacctatct cgtgtcgtcc agatttaaaa aaaacttctc ttactttatt 180
 tcaaaatcat tcttctgttt accttacaac tcaactcaact ctatcattac cttttttcaa 240
 tatgcataat taccaacatg caaacatata taatccagca gatggcacca tcaataggca 300
 agctatgatc cagaagcagc gagatgcctc atctccatt tctttcatct tctaaattta 360
 ttggaccttc t 371

<210> 33970
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33970

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tttttgcctt tgaagaaact tttctaactt agaaaatgtc cttcacacac actatgatga 120
tgcacaatgc aaaacaaata tcaaattgtac tgagatgcaa caatcaagtt aacaaccaat 180
acaaatgcta ctcaagggag ttgggcatgt aaaagccaaa acatcttcta nagatccttc 240
anacttttcc tcgagcttca agcttttagcc ttaggttggtt ccatgttgct catgtttgct 300
gctccctatc tntaacaccc gcgngtagtg atntcataat cactaatacc tatgatg 357

<210> 33971
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33971

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gtcactcttg agacaaccat aacactcacc tcataaaaaa aagaatacga tgtcaccaac 120
atcatcatgg aacgtgtctt gcccgtatta tgccttatca ctcttacatt cacaatccaa 180
ggaagaccat catcttgaaa accaaagaca tggaactgaa taacaagaaa ataatttatg 240
agaagacgat aaccgtacat acctaccttc ttatgtggaa acagagaatt gagatagatg 300
agacangata acacgattta tacaacttac acaattgcct ctagatacca aggagtattt 360
agcaagataa gaacagatag c 381

<210> 33972
<211> 384
<212> DNA
<213> Glycine max

<400> 33972

agcttaagcc attaattatg actgcacggtt tgatctattg cgtgaaactt gcacacacaa 60

gacaagaagt caaaaatcaa ttaatcattg cctgtagatg ttaaacctag catcattcac 120
 gcggttttat ttcattgccgt tatgacaaca atattctttc tcgtaataat gtgcgagaag 180
 aaaaaaatta ttttaaaata atcatcttct aattttatag tgtaattata attatatattt 240
 tttacttata tttcttataa cattaatata aggaatacaa aaatttaaaa taaaataata 300
 atgataacat taattttata aaaattatta ttctatctta tatattttatt gggttttgtt 360
 tatctgtata caactaacta taat 384

<210> 33973
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 33973
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 tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatttg 180
 ttaggtagtc ccttctcctt gagcatcgat ctagctattt ccataactgt gcgattcttt 240
 ctctcggaca ctctatatttg ttgaggagaa tatgagactg taagttgtcg ctcaatgcct 300
 tcacctcac aaaatctttt aaactcgcga gaggtgtact ttttgccgcg atcacttctt 360
 agtactttta tccgttttcc actttgattt 390

<210> 33974
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33974

agcttgtagc cattagaaga gaatgagcat gtgattggaa ttatgactga aaatgttagt 60
 cagtttgcca gattgattgt gaaggaatgc attaaccgta tcccggtag agtgtgatcc 120
 ttaaattttg agagaaacga ctatcattta gtactgattt ttgcgtgaat ctctgaagta 180
 tggactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga tagccactta 240
 gccaaaaagc tgaccatgtg cttgaatgat ttacccttg caccagttt gagctgaata 300
 aattattgat tgattgaatc tggactctat acagtgttat cttctgctac cttgacttan 360

ngtgtangag agcatcatcc acagtaagcg t

391

<210> 33975
<211> 366
<212> DNA
<213> Glycine max

<400> 33975

agtttaatga tggaatactt acttggtggt gatgaataaa agcgcaaaac ggaatcgaag 60
aatgcgaaaa gtagagatcc taaggctgca aactcgtaaa ttccgtgggt atggcttttg 120
aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc cctttcgtca cttttatatt 180
ttggtgcatg ggtggctcgc ccaggcgagc taacctgcac tttttttttt gagaggaaca 240
ttaaccatgt cccctccttc cttatgggtt agtgttttgc ctatttgagc ctactcaagt 300
tagaattagg cgттаattac taaaaacaaa caatggtagt aaaatactgt gaactcatag 360
gatact 366

<210> 33976
<211> 395
<212> DNA
<213> Glycine max

<400> 33976

agtttgtaa cactgttccc tttctccctt gccgaaatc ttgggaaact taagaccctt 60
gaaatacaga actgtgacaa gttggtagaa attgttgga aggaagatgt gacggaacat 120
ggaacaactg aaatgtttga attcccttgt ttgtggcagt tgcttcttta taagctgtca 180
ctgcttagtt gcttttatcc tggaaaacac catctggaat gccccgtatt aaaatgcttg 240
gatgtgtcct attgtcctaa gttgaagcta ttcacatcag aatttgagaga tagtcccaaa 300
caagcagtta tagaggctcc aattagccaa ctacaacaac aacctctgtt ctcgattgat 360
atgtgacaaa acattatcag ttaaactttt tgagc 395

<210> 33977
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33977

agcttgcaatt tactgcattt caagataaag gtggcatgca cctgcatccc caaaaaacat 60
gttcataagt gcatagattt ctcttgagga tgagaggccc tctcaaagag tcaacctctt 120
gcattctcat aaggctcgagc cctttggtac tagtacctat tggcttggtt tcataagact 180
caaagtcctc tatcatttac attttcaaag actatcgtag actttcatca tgcggagaca 240
attatggtca ttcacacctt tttttgcctt ctagagacaa tcaagtcctt tggcacgcgg 300
agacaaatta tggtcacccg ctntcttttc cttccggaga caataaagtt cgttggcaca 360
cggagacaaa ttatggatcat ccaact 385

<210> 33978

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33978

agttttctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaaacatgaa aataacaaaa aaagtcctta ttacaaagac 180
aactcaaat gccccgaaat acaaggctaa aacctatac tactagaatg gccaaaatac 240
aaggcctaga caaaggaaaa acctattcta atatttacia agataagcgg gctcatactt 300
agcccatgtg ctcgatatct accctaacgc tcatgagaac nctanggcct ttccttgat 360
ctctagccca atctacttgg agtcttctag 390

<210> 33979

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33979

gcaatcgact cgtacccgng atcttagagc accttttgca tgcaagcttc acttacactt 60
gattcaaata tctaacacc ctattaatca atattttctt taaaaaagtg agttaagcac 120
aaccaaagt atttacctct cgattggatg catccaatga ttataactg gccctcctaa 180

tttcacttct ttaagaacat gacaagttaa atggaccatc gatatgggta ataggatttt 240
 caaatggcaa atagttagca cagtttgatg ttgcagcttg tcaagatctg atacattaaa 300
 tcttttatcg aacaaactgc gtgagcatga gcaaaattct actgacatta cagtcaacga 360
 tggatagaag gaggcaacca gcggtcctat ttccccctct cacgggatct tattattatt 420
 aaagtaa 427

<210> 33980
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33980

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 gatattcttaa gaaggggggg gttgaattaa gatattcgaa actttttccc ctaattaaaa 120
 atctatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaacgg 240
 aagagaaaat gcacactcag ttttatactg gctcggtcac acccttgtgc ctacgttcag 300
 tccccaaagca acccgcttga gagttncaact aacttgtcaa ttccttttac aagttctaaa 360
 caca 364

<210> 33981
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 33981

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 caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
 gcgagaggta tatacatgga ctgagatgaa aagggtgatg agaacaaggt atgtgccac 360
 tagctataac agaaccatgc gacag 385

<210> 33982
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33982

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 aggattgata taatgggtggc agatcttgtg ttcaatTTTT tttttgttcg atttatgaag 120
 tcaatttcat aatataaata aacattttgc agtttaattt acaaaacata ttagttttaa 180
 cacatttgaa aatagatttt cgaaagtgtt gaatctacac tttggaaact tagtttctag 240
 aagtacaagc attgttcaaa tacacaatta gagtacctta ctgaatctnc atgctccatt 300
 atgtatgtat tccccctgtc actaaacctc tttggaccca ntgttctcac atcaagacac 360
 catggcattt gagactcatg gaccaccac atgc 394

<210> 33983
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33983

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 aaggaaactt ccaaagaaaa acgtctgatt aatttttttg attattctat tcaaagatat 120
 tttaattata ttattattat tttttcaaga tattttgatt attttattat tattttgcct 180
 ttttttattt aatcgaggtt acaacgtgaa cgatcggttg gattttattt taacagagat 240
 taaacgagat tacaacacan atgatcggtt gaagttcatt ttatcattta ttaggcgaga 300
 taacggctta cataaatggt aaaaatatcg ttaacagcgg aagaaaagaa natcaaaagt 360
 gaacgagatg aagatgaaag ccaacaaaac aagaaatgaa ttgaaagtct cgg 413

<210> 33984
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 33984

agctttaaga ggtcactttt ttttcttttt ttttgaaaga aagagcattt gaattccatt 60
catgggaaga agcccactgc cttctttact gatactatgt cctcaaatta attaaaaatat 120
ttggcgcatt agtgaaagat aaagacacca agacttttct gaagcgatta tcataaaaagt 180
tagttatatg gaattaaact aattatTTTT aattcccttc ccctatagag aacgatggca 240
atggccggct atgacaagtt gtctactaga tgtatgattt agaatgtagt cttaacttta 300
gattacttat agctttctgg tgtccacat tttttaatcg gttatcaaga tccattgatc 360
tgctactatg ttatacattg catcaaccac aaa 393

<210> 33985
<211> 412
<212> DNA
<213> Glycine max

<400> 33985
agcttgcagt ggtagtcagt taggtcttta aggacttctc ttgggtctca gcctcgctta 60
acttagtctt tgtgtccttc agagacttct gagaatcctc tgccagttgc aacaatgtct 120
cattccccctt ggcagcctca accaaagctt gttcatcctt tgcatactca acaagtggtt 180
cgacctcgtc ttggagagct agagtaaagc ttgcagtggc agtcagttag gtctttaagg 240
ccttctcttg ggtctcagcc tcgtttaact tagtctttgt gtccttcaga gacttctgag 300
aatcctctgc cagttgcaac aatgtctcat tccccttggc agcctcaacc aaagcttggt 360
cagcctttgc atactcaaca agagctaatt gtgactcgat atcagcctta tc 412

<210> 33986
<211> 377
<212> DNA
<213> Glycine max

<400> 33986
agcttggttaa aaacggaaga aaagaaaact gaaggtgaac gaaatgaaga tgaaagccaa 60
caaagcaaga aatgaattga aagtctcaga ttcgaaaact tatcggttga agaccaaaga 120
acgcacgaag aacggcagaa aatcttcacg aaattgctca cggaaacgtc tcggaagcat 180
ctcggcttgg attttcttca cgaaaacgtg ttttttcaact caaaatccct gaaatgcata 240
gggtaaaagg tcaggaggct ctggaacagc ttcccctatt tataggagaa aaggggagga 300

ggttgccgcc tatctcaccc aggcgagcag gtggcttctt ctggaagtat tttacgaaaa 360
agttcacgcc ccctttt 377

<210> 33987
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33987

agttcactct tgcgcatctga tggtcacata tgtgtttctg gcctccatct ttctatcaag 60
gcactaatta atgagacatt tatttttaag tattccatct tcataatcca gtaaaaacca 120
gattgctgaa ggaaaaaaat aatttcctct ggtatttctt cttgaccttg atacgtgggg 180
acagctcggt taatgtgtag ttttatgtct tctttcccat tccaaatatg ttctgaaaca 240
tgtttacctt acatccataa aacgtcacca tcaattagac caaacttaat tnttatattt 300
gatgaacatg atgacgaaga tgtcattgat actgcaaaat aaaatataat acaataagtt 360
accaacaaac tntatacatt attntctaca a 391

<210> 33988
<211> 381
<212> DNA
<213> Glycine max

<400> 33988

agcttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaataattga agaagatgag gaggtaacta tggcttcgat ttcttaatgg ttgactaatg 300
atatctgtga tattgttgag ctgcacgagt ttgttgaaat ggatgatttg cttcacatag 360
caatccaagt ggagcaacaa t 381

<210> 33989
<211> 388
<212> DNA

<213> Glycine max

<400> 33989

agtctttttgc tgcaaaattg cttccttggg tgggtgttttg gttcgtgcta aaggtggtgt 60
 ttagcattgg ttgtgtgggt ggtggggttt gtggttgatt tagggatgac ctttgtggat 120
 aactgggtgg tgggtaagga gaatgggtgt tattggctga gtaatgacat tgttgggttg 180
 gtgagaaact tggccgtata ggaatggtag tcacagcatg ggtttctcct tcattctcac 240
 cctcttcatt tgccccaact ttctcactta tcaaagtagg atgatcaaat ttgcctcttt 300
 tcagacccgc tttgatcctt ttgccgatga agaccaaata ccgaaagctt gaatgtgcat 360
 accccaccat attttaatag taaaacac 388

<210> 33990

<211> 397

<212> DNA

<213> Glycine max

<400> 33990

agcttcaatg gagcttacat cattgtcctt ggatgtatta gttttacttt tatcagatgt 60
 tcacacatgt gcgcagaagg aagctgggta ggaaccaaata tgggaattata tatgcgcagc 120
 tgaggcgatg ccaattttca agtgtacagg tctctaattt ttgtgtgggc ttggtgctga 180
 taaacaagta agttgaaggg tgattatatg aacgcttggg ggtgggttac tacttactag 240
 tgctctcttat tttcttcata aggcctaagg ggtaggcga tttttgttta tatcgcccta 300
 tagaatatat gtattcttgc ttacatttat gagtatgatg gattaattta ctttctatag 360
 tgagttggag atcacttatt tagaagatca ctcttat 397

<210> 33991

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33991

agcttaatat gggtaacatc tncattatt gacgtgcata ttgaggacct tccttcaacc 60
 tcttcttctt cctccttctc cttgatcttc tacataccac atagctctac tcatatgcct 120
 atgaagctgc tcatacaagc ttttcagatc tatgtgacac gctctcacat acccaccact 180

ctcactcttc ttcattcttc tatctctctc tctatcacac acacacgcac acacagcact 240
 tttctnttaa aaattcacaa aattcaccac acaccctat ggactttgaa gctcatagc 300
 acttgcaata tcaaaacatg caactct 327

<210> 33992
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 33992
 ttgtgtggat cggccaccac cgtctggac gatagaacga cacatcaatt gcatttcctt 60
 ttccatgtct tctgttggac aatggtttgg aaaagcatcc gactaagcac acattggacc 120
 ttatatgacc ctccccctta tttctctgca tcaactgtgac ccagaaatat tggggaaaac 180
 gaaatcatct attaaaacat gatcatatct attaaatctt gtcgacatca tagtcttcat 240
 tccaataaga ctattctgtg actctccatg ttaatctctt ttgcgactca tacgggttgg 300
 tgatcctatc atttgacgcy tatccactat catcgtgtgt atcgatacca acc 353

<210> 33993
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33993

agcttctatc atcgattcat ctaacagtac atgcaccttg ttgtgccact cataaattta 60
 ttgaaagcaa acaagataga gtggtctcga agggccaata cagctctaca gagttaaaaa 120
 atgttatagt caccaccct atgttgcaac tccttaactt ctccttacag ttgatccaa 180
 agaccaatgc ttcattctct accatcaagc ctattctctc ttagcaaggc cacctagtgg 240
 catattttag tataaaaaaa actctgcaca aaaatgcaat ccgcatcagc ttgtgcaagg 300
 gaaatattgg caattaccga gtcagtgaag aagtgtgac actatcttat tggcagcaaa 360
 ttccgcatnt ctatatacca acata 385

<210> 33994
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33994

ntgtcccccac ttccttctcg ctgaactatg ctcaacttta gcaaccattg aacgtctaga 60
ctaaaacaca ctaagctcag cctcagatc cctcccgatg gattaggctc agcttacaca 120
acctccgtac gcatagacta cattaaccta cacctcactc cacagatccc tcattcacca 180
ctaggcctaa atcacaccac atcttcatca cctcacatga agaactactaa cactcaatcc 240
gcagatccct aatccaagac taagtctcac tcccgccttct atcacgtcct caggcaacaa 300
taccatcttc cagcctcaa gtcacctacc tatacacaca aaccgggcga tcagaccaag 360
agcctgtcta aattaccac tgaacatata tacacacatt caatca 406

<210> 33995

<211> 530

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33995

gtaccgcaaa cgattccgtg ccaggaaata agaaattana gacaccgtca aaaanaaaca 60
gagagtgaac cntgtgacac ctggaanaca tcggcgaanc ganctcgac cggggatcct 120
cagaccgacc cgttgtatgc aatctctgga accgacgccg atacacaagc gagacgcatg 180
aagcgaccaa cagtgagcag ccgcaactaa ggctcatcta acaacacaac atggcgtcgg 240
aagcgtcaca ccccaaacca ccccgaggac caccgctcga cggcacgaaa ccaccagctt 300
gaccgctctg acgaactcga caccatcga taaacaacct gcgaagctcc gcgacgcggt 360
ggcgagcgaa cgaaaacact atcgggcaat ccgcaacgcg cacaacacct ccgacgccga 420
agaggggacg gccgcgcaat accgacagct ccctgacaca acacacccaa aacacgcacc 480
gcacgcagcc tctaggccgc acaccgcacc caaacaaaac accaacaacg 530

<210> 33996

<211> 404

<212> DNA

<213> Glycine max

<400> 33996

agcttaaata aacattatTT gaattgaaag tctcggattc gaaaacttac ccgttgaagg 60
atgaagaacg acgaagaacg atgaagaatt tccacagaat cgcttacgga agcgttacag 120
aagcacttcg actcgatttt tcttcacgaa aacgtgtttt ttgccccaaa tagccgaaaa 180
gcatagacca tggggtcttg aacattttga aacagctcca ccctccccta tttatagaaa 240
aaaaggaggt gcttgccgcc caaagactta atgaagaaga tttctaagcg caccggaatt 300
actaagttca cccgcctttt cgaattttac agaaaagtta cggaagcctt acggaagtgt 360
tttogaatat gactttcatc ttttttgtct tccgtttcac caat 404

<210> 33997
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33997

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aaagttattg tcgtttgatt tttctcagag cttcagtttt caatttcgag cgtctcgata 120
tactacggga cacaatcgga catccgagtc aaacgttatt gtcgtttgaa tttgcttaga 180
gcttttgttt tcaattacga gcgtctcgat atattatggg gctcaatcgg acattcgagt 240
aaaaagctat tgctgtttga tttttctcag agcttcaatt ttcaatttcg agcgtctcga 300
tatactatgg gacacaatcg gacattcgag tcacaagtta ttggcgtttg aatttgctca 360
cagcttctgt tntcaattac gagcgtctca catattacgg gactcaatcg gacatccgag 420
ctaaagttat 430

<210> 33998
<211> 388
<212> DNA
<213> Glycine max
<400> 33998

agctttgcag cctattcctt ccttgaagta gctatgggtct tttctgggtgt cctcttgatc 60
tccctatttg aaacttcaac ttgtccattt gtttgcgat gatagagtga tgctaatatg 120
tgttgaacat catattgttg gaggacgttt gaaagttgat cattacaaaa gtgtgtacct 180
ccatcactaa tcaatagtct aggcactcca aatctagaaa agatgtttct cttaagaac 240

<211> 370
 <212> DNA
 <213> Glycine max

<400> 34001

taatgtaacc tttttagact ttgaaaactc tacggctgag cctaggcttt agagtttcct 60
 tttgttaagg cattatgtct tttgttcttg aagttttaat ataaagatct ttcttcatct 120
 gtctctgcgc ctctacccat tctcattaat ttgcatgttt atttctttac gcttaaaatg 180
 ccagatccga cgatgagtcc ctccaaggta ctaataccca ggacttggcc gtcaattttg 240
 agcaagaagc gggtcggatg gagagtgaag aggaacgacga tgtggggctt catccacagc 300
 tggagacgat aatcgcttat gaggaccgag agatgacgcc tcatcaagat gagacggagc 360
 tcatatactt 370

<210> 34002
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 34002

tttttatgca agcttttcag cacgcttcca tcaagtgtta attaaagcac acggccttca 60
 agtacgtgct ccttaaacct ccattaattt tcagctttac cttctactcc attgttggtt 120
 cttcattttt ctccatgtat ctccctacat ttcttggtct gaatttggtt agcatgattt 180
 tttagaattt caaccgatta aacttggtat ataagcaaga tttgattttc tatggttcaa 240
 attccttggt cttgttcttg aaccatgaat tgtgttaagt ttaagttcct ttgagttttg 300
 cattgcaatt cttttttttg agaccacaac catt 334

<210> 34003
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34003

ctattataat catgcattca atccacaatt accatttttt aactatacta aaactgcatt 60
 ttcaaggagt caagctaaac tggttctatct gtatcacgac tttcaaaatc tttccaaaac 120
 aaaaagtata ctgtaaacca tattaacata ccacacaacc ataatangtc atatgtacta 180

aaaatcgtac aaccaataga ccacacaaac ataataatta aaatgtacta agaacaagat 240
aattataata ataataataa taggaggaca ggtaatcaga tcttgtcatt catcccaatc 300
ttgctcctca ttatccanat gtagcactgg agtcctcgaa cgagtagtaa tctgtccctc 360
ctcctcatct gaaaaat 377

<210> 34004
<211> 394
<212> DNA
<213> Glycine max

<400> 34004
agcttgctcag ggtgaggagg tgaatagcac taaggaaatg catctattca tcaatgtagg 60
tcattcaaata gaaaggtctg tgggtagaac ggattgaggt cgaggctgct cccacgtatg 120
atatctaaaa tggactagca taacatattc ctgtgtcaga gctacttatg taaaggatta 180
ttttacaaaa ctcaaattgt aaaaacaaca ttcagggggc aaatagacaa agctgatata 240
actggtatcc acaaatagaa gaattcacac atcagtacac agagacgcat agagagaata 300
acgaaccagc tattatctat tgattactga aaatagtgtc tcagcactct cctctactat 360
gagttttccc tcaaatacct ctgcatact actg 394

<210> 34005
<211> 411
<212> DNA
<213> Glycine max

<400> 34005
tgcccttctg atccgaagag gctgaccctt gcggagtcg tcgagagcga aattgacctc 60
gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgctc acgtcgccgg 120
aatccccctc gccggcgccc gctatgccct cttcgactcc cttgctccgc ctgcgccggt 180
gccgtttccg aagtcgccga tctccgaatc gaaaaaggac caacgctgcg aggacgagtc 240
ctgtgaggag aacgcgaagc cgcagagagg gtcgtctatc tcctgagata aggaatccct 300
gaatggctcc gcaacgtcgt cgtttagaga ggacgagccc gaatacgttc ccgaaaggg 360
ttctctgcgg cggtcgcacg tgcggacgat catcttatac ggggatcggc g 411

<210> 34006
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 34006

tgtctgcaac ctcataaagg tgcttggcgc attagctgag cctaaaaagc atcactagcc 60
 attcatacaa atcaaactta gtcttgaaag cggttttcca ctcatcagcc tttttcatcc 120
 tgaattggtg ataccactt ttaagatcaa tttttgaaa gatattgtca ccatgcaact 180
 catcaagcaa atcatcaagt ataggaatgg ggtgcctata ctctacagcg atgctgctga 240
 tggccctgca atttgtacac attctccagc taccatcctt tttgggcacc aacaacactg 300
 gcccaacaca tgggcttatg ctcttttgac ccagcccttc ttaacaatct tttacctgaa 360
 atctatctcc tatctctga g 381

<210> 34007
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34007

cttaatggag aatgaagaag aagaacattt caacgtgttg tggagagaga gctgtctgaa 60
 aagtgtgggg gctgagtga gagagagaaa agctcttcgg tttttaaat aaagggtttt 120
 ctctttttct attattttat tcaagctctg ccacatgtcc ctatttgagt ggagcaaaag 180
 ggcccacttt ctttttttac tgtgaccac actcagccac aaaagtgaga aaaatctgac 240
 ctttgaaatg ctaaaatcct gcctcggttc gctgtcgat tctctgggtc tagtttctcg 300
 catttctctg cgtccgtcgg ggccggttct ctaaagtaac caatatatat atcataacgc 360
 tcacaataga accacgagcg tggttc 386

<210> 34008
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34008

agcttgaagg catgtaaccc accatctttt gatagtacaa caccgtaat gtcgttgcta 60

tcattgttat catttccctc tccatcattg agggcactac ttgagctacc agatccctat 120
acctttgggc atattctttg aaagatctat gctcgttttt acacatgttt tctagctgta 180
ttctatccgg agccatatta gaattgtact gatactgcct aatgaaggca accattangt 240
tcttccaaga atggactccg gaaagtttca gattcgtata cctgggtgaca gctgccccaa 300
taagactttc ctagaagaga tgcattaatt tatcattctt caagtatgcg cccattttctc 360
tgctgtacat cttcacgtga atcttggg 388

<210> 34009
<211> 239
<212> DNA
<213> Glycine max

<400> 34009

cggacctact gtgaatagcc caaaagcacc ttctattttc tgaagtgggtg aacccgatgt 60
ttggatgctc tcaatgacat ctaactgtcg ctaatgaacg actttgacta actatgcccc 120
attatatatg agtaatacct ataagctcta tacatatgac atgcatatat atatatatat 180
atacataaca gaccctcaaa ccacctataa atatatacat tgatttactg acatggctc 239

<210> 34010
<211> 391
<212> DNA
<213> Glycine max

<400> 34010

agcttctgct ccaaataatc ataaccccca cgagacaaaa cgtggggggac agtattctgc 60
ttctggatgg cctgtgcctt cttgcgacac tcttgaaaaa attaaacaat aatgtttgaa 120
atgggtagaa tgaagtataa caacatcatg tttaatatga aaaacaactt aaatggcaag 180
gaacatacct cctaagaagg gtctctacga gtctggcaaa aatggggtca cttttccttg 240
ctgatgccgt atttctcata gacattgtcc tcgacactgt cctgatcggc tgcaagggcc 300
catttccctg tgaggctctga tttaaaccct cttcatctct caccacgat ctgcagaaac 360
ttcttttcat cctactatca aaagcctcta a 391

<210> 34011
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34011

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tctaatttgg ttaagcatga aattctgcag catttgcaaa gcagattcaa attaattgaa 120
gttatgtacg agcactgtag cttttacaaa aataagcact gcagcttatt taaggcacia 180
attctgcagc atctgcaata tgtgggtgtg tttcaatgtg tgtgtgtgtg tttctgtgtg 240
cgtgtgtgtg tatgtgtgtg tatctctgtg tgcgtgcgcg tgcgtgtatg tgtgcgtgtt 300
ccaatgcgcc tgcgtgtgcg cgtctccgtg ngtgtgtggg tgagaggctg cacaatgtgc 360
gtgcgtgtcg cgtccgaga gcatgtatgc cagtctgtct aatcccacgt gcgcgtctcg 420
cgcgagcgcc cg 432

<210> 34012

<211> 343

<212> DNA

<213> Glycine max

<400> 34012

tttatgcaag tttttactat gccttgattt acatcaagtg atttgatagc tatattagca 60
tggttagaca atattgccac tgaaattcat accttaaact atcgtagcat ctatattaat 120
gtgaatttgt aacttgtcag tccaataaca tagaacatat atctacactt ctaccatgct 180
cagtgaaca ctacaatgtt gacatgatta taatattaat aatgttaaact ctctgcatag 240
cgatggctgc ttatggcggg aagccacaat tctgtcatat ccatcatgga catggagtgg 300
cagactatat atatatacac acacttctac tgacaaatta tta 343

<210> 34013

<211> 250

<212> DNA

<213> Glycine max

<400> 34013

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gtcagttgt tgctcacttc tctgcagcac tcatgggttat gcttaaagc tcttatctga 120
acagagatcc tcacttcatt ctttgtacag tagattttcc aatcacaaaa tgccttattg 180

ccttttgctc taccctgtg tttatcattc ttctctcacc tgaactccct gcccatcaat 240
atgctatact 250

<210> 34014
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34014

taacctctga atccaagaaa gcactctgat ttctgacggt cttggcgata aaaatgggtca 60
ttgaccaatc cctattctat gacttgaccc aattatctac tgaaggtgca ccatttgacg 120
gtgcactaaa tgatgattgg agattcgatc tctctgcgca tgatgccgc caattgggtt 180
tgcaccaacc tcacgaatat caccggacgg ctgcttgctg gatcattggc ttttgaaaac 240
cgcacccctc cctatcttat tggctgtatt ctacttccaa gatcttcaca cctagcacag 300
gtttntgaag aagatcttat agttatgtgg gctttccata atggctcgaca aactgatt 358

<210> 34015
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34015

tgtcaaagcc ttgtatggat tgaacaagc tccaggttct tggatgaaa gactatgctc 60
attcttagtt cagaatggct tctccagagg aataatggac accacattat ttagaaaggc 120
tcagaaggaa aatctactta ttgtacaaat ctatgtagat gacataatct ttggttcaac 180
cttagaaagg acgtgcaaga agttttttga gctaacgaaa ggtgaatttg aaatgagtat 240
gatgggtgag ctgaagttct tcctagggct tcaagttatt cataaagatg atggaatatt 300
catccatcaa gagaaatata caaaggatct acttanaggt tcaagatgga tgaaacccaa 360
cctatggctg ccctatgca tccaactatt gtcagtgaca aaggtgagaa acacaatgat 420
actc 424

<210> 34016
<211> 412

<212> DNA
 <213> Glycine max
 <400> 34016

agcttgtagg attatggggg acccatcaca tgtgggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaacgcg cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaca acaacattca aacagcacia 240
 actatcacag ccaagaaaag cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccccaa taacaattcc ttgatccaa tttgttgacc 360
 gttggatcga ctccaaaatt ttactggaag tctctagtac ataagcctac at 412

<210> 34017
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34017

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 actcttagcc acttatgata gccgccgatg atcccattac tgcttcccct aagctctctg 120
 ttctttcttc acgccacatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180
 tcaactgaaac ctcggtcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg 240
 ggacatcctt cgcataga tagaatcctg attcttcctt ccttctagcg aggaaccat 300
 ttaacagacg cccctccatg ctagccaaga gttggtgcac aacaaacaat tcttgcgccg 360
 ctcttttcac atccccggtc gaacgtgtca tacatggcca aaatggcgac gaccgggctt 420
 tccttgccat gatg 434

<210> 34018
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34018

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cacagtggcc aatgatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaacgacga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcncagac atttgcaact tgagagtgga 360
 tgaactcatt ggttccctta tacctttgac tatgactctc gg 402

<210> 34019
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34019
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 ttactctttc tttttccctt ttaatattct ccttttttta tatgtggtag agtttcttaa 120
 ggggttacaag tgggtggtcc atttttccat ttttaagcatg tagaactgtg gaaaaaagg 180
 aaggggagtt tttacaaatc cttgggggtct atgtgtgttt gcaatgcata gagctttaat 240
 ttttatgttg tggaatgttg tgtatttttt tcgtatttgc cttcgccaat gcatctagga 300
 cttctttgtt tgttattatc tgtcttggat gccaaacttg ggttccttga acccaaaatc 360
 ctaggaaagc atataaagtt tgggtgaattt gggtttgtgt agcaaaagtt atgtaaaaat 420
 caagttttga ac 432

<210> 34020
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34020
 agcttcaaga aaaagttggc cttagcaaac tgcttatctc tagaaggga ttttatcaat 60
 agacctocaa tctttaatgg agaggggttac cattactgga aaacccgaat gcaaattttt 120
 attgaggcaa tagacctaaa tatttgggaa gccatagaaa taaggccttg tataccacc 180
 acagcagaaa gaattacaat agatggtagt tcatcaagtg aaagtataac tatagataaa 240
 cctatagata gatggtctga tgaggataga aatgagtag aatacaattt aaaagccaaa 300

aacataataa catctgccct gtgaatggat gaatatctca aggcttcaaa ttgaagactg 360
ctaacgaaat gtgggacact tcttgattaa cacat 395

<210> 34021
<211> 452
<212> DNA
<213> Glycine max

<400> 34021

tactcaagct tatactacat tgtaagagaa tgacgagtag aagagatact taacagattg 60
taaaagcaga aattaaatgc acaacggata gtaaaagagt agggaagaag gaaacaagca 120
cacaagagtt ttatactgg ttgggaaca acccgtgcct acatccagtc cccaagcgac 180
ctgcggtcct tgagatttct ttcaaccttg taaaaatcct tttaaagca aagatccaca 240
agggatgtac cctcccttgt tctctttgaa cctagtgaat gtaccctcca ctagaactga 300
tccacaagag atgtactctc tcttggtctc agtcaaacc aagtagatgt accctccaat 360
gtgtcaagac aaagatctca tgcggttaaa ccttccatac tctgtgaatg gcgatataaa 420
agaactctca cgcggttagt cctttgaaca ct 452

<210> 34022
<211> 400
<212> DNA
<213> Glycine max

<400> 34022

agcttcttcc tctggtgacg aaacacgtgg cggtgccagt gggtttgccg gaggtgtttc 60
acattgacca cccacactac cgccaccgcc acggccactg aaacatggtc ccctacggca 120
gcgtcatctg gcacagcggg gctgctaacg cggtcgccc ctgcgccact actagatatt 180
cacttgcttc tctcccacga ccaactgtata cgccgtcgtc acccccacca cctgcgaaac 240
cacctcccc accaggagca cggtcggcgc gggtttgac cttgtggaca gtgatgttcg 300
gccgccaagg tcttggttgt gcaaactcgt tttcacaact atcactccct cttgaagcat 360
cagttagagc tgctggtgtt tccatgagcc acaaccaagc 400

<210> 34023
<211> 309

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34023

cgttcctgaa aatgctatta cgctgagcct gttttcattc tctttatcta tggaggccaa 60
gagatgggttg cattcattca agggcaacag tctacagacc tgggatgagg ttgctgagaa 120
gtttctaaaa aattatttcc cagagcctaa aattacaatg ggaaaagttg taattccttc 180
gttccatcag tttcccaatg aatctttgag tggggcatta gaaacatttc ntaacttggt 240
gaggaaaact tccactcatg gttttataca gcctatacac ccgaacatnt tcaactgatgg 300
gttacagcc 309

<210> 34024
<211> 186
<212> DNA
<213> Glycine max

<400> 34024
agtctcggtc atcattttcg tacatgtgta tgaatgctcg ttgatcgagg ccgtacccga 60
atcaaataaa catgaaaatg cagtaactag gaagtgatcc taggtcggtt cccaacgagc 120
agtgacaaac caaatggtca taatatactt gcagtaacag taacgattgg gggggggggt 180
tcgtat 186

<210> 34025
<211> 324
<212> DNA
<213> Glycine max

<400> 34025
ctaagcttca tataagctga accattttat cattaaacac ccgttcgagt tttattcaga 60
acatttgagt tgatctcttt catcttagtg agagtgattc tcctacgttc ttgagtgatt 120
caagaacacc ctggctatat tagacgactt tcacaacctt tgtgtgttgc cttcgccgga 180
aagattgatt atttccttct tttgatctct aaccttggtc tttcaaacca taattcctga 240
caattcactt ctgcccacaa tcatctcatg gccatcactc tcgttttaca cgctcaatt 300
aagtgatatt tgagcctaaa ttga 324

<210> 34026
 <211> 321
 <212> DNA
 <213> Glycine max

 <400> 34026

 agcttattca gaatgataac acggtaaatt taaagaacaa taagtagcaa ttacttacia 60
 tttatgcact atgtcacaac caatdddgtct tcatgcagac gatcttcagt tatcacatta 120
 ctctgtgtgt cgtcattctt ctctttgtca aatgcatact ccagttgtct ctccactgac 180
 ttgacaattg ctgttcgctt ggatcttaac ctgtatgggg gagatgcatt gaatgcctta 240
 ttgttgggaa tgtcaatccc attgccatgg ctgtctggac tcttggagaa atgcccagaa 300
 ccagaatcat catcggttct c 321

<210> 34027
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34027

 acagcttggc tgttcggaat actaatgtca tatatgctag ggttattgat agtacgtacg 60
 catagccacc cacgttgggg aattdtatgca gattatgtgc tggttcattt gaatatcgag 120
 ataatactgg ataaatctga aatcgtgtat aacactctca gattgaatca aattdcgggg 180
 ttcaaccaa attgctcaat cgaataaaat cagaagatta taattcaaga gttttgtttc 240
 ggtcttgtat gttttgtcac ccataatgct ttctgaacca aaatgattat tcatgatcaa 300
 agaacaggcg gctnttggcg gctgatgaac acgtgcgttt tggcggctga tggaagttct 360
 atctttctta aaacctgcct ctttctgaaa gtcacttcna tgtaatttcc agaatttgcc 420
 tacaccgaac atct 434

<210> 34028
 <211> 348
 <212> DNA
 <213> Glycine max

 <400> 34028

 agcttcttgg aggtttgatg gatcctcttc taatgtataa gccatataat cggaccata 60

atcttttagca attcttgctc tcttacctct tcgaggtctt atatctgggt ctggttgtgc 120
aagattttct actaatagta ggaagataat tggatgaagt acccccacta ttccttaatt 180
taaaaggaaa tctattttca taaaaatcag catcatttga ctctatgatc acttttgcgt 240
ttacgtcata aaacctatac gctttgctat taatagcata accaatgaac acacattcat 300
aggctctact tgcaagttta accctcttat gatctgcgat ccttacat 348

<210> 34029
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34029

tgaagggtgtg tagcccatca tcttttcata gtagaattct ggtaatgtgt ctactatcat 60
tatcatcatt tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
taggcgtatt cttttgaaag attcgtgccc cctttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg acaactgcta acgaaggcaa ccattangtc ctcccangaa 240
tggactcggg aaggttccaa gttagtgtac caggtaacaa ctacccagtc aagactttct 300
tggaaggaat gtactaacaa ttctctatct tttgcgtatg ccncatctt ccgacaatac 360
gtcttttagat ggttcttggg gcaagtaatc cccttgact tgtcaaagtc cagtaccttg 420
aacttgag 428

<210> 34030
<211> 329
<212> DNA
<213> Glycine max

<400> 34030

agcttgtatg attatgggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccataccc tgttgccac 120
ctacaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
cccatcaat actgtcaagc ttccacaaca tccaagcaaa acaacattca aacagcataa 240
gctatcacag ccaaacaaaa gcagagcata ggcagaaaac tctgctcaaa caccaaccaa 300

aatcacagct tttctcactt atagaccac

329

<210> 34031
<211> 431
<212> DNA
<213> Glycine max

<400> 34031

ccgcttgat agttcccaa tttgtagtca ttttggagta aattttgtaa ataaatcttg 60
tttatggcta acactgtctc tagaacaatt gcatcggact taatgatgaa atctgtgcat 120
tttcaggtga aaaagacgct aagttttgaa ttgcaaaaag cagcagttgg gctaagcgca 180
tatccatcgc taagtgcagc ttcagcacac ttagcgcaaa ggagaatctg gcagagcatc 240
aacatcaaat ttgtgcgcta agcacaacaa gtgccttcag ccacgctaag caccagactg 300
gcgctaagcc caatttcact tatctgtgct aagcgcacag gcggcgctaa tcacatcacc 360
gcgatttcgg gcctattaaa gcttgtcttg gcataatacg gtacacttta caacactcta 420
ggacttgaag a 431

<210> 34032
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34032

ttgctgcaag cttgtgnntt ggctaagaaa gactctaaga tttgggatat cttcttgaat 60
agttcgacta ttctgaactt atcctcactt ttttgccttt tttctttgta gtggactcct 120
tcaaataag gtccttatat ggaccttgga gctagccatt taccactgtt gcaggcattt 180
taaaacacat taaaactgc atgagttgcc tcattcatac aacaaatgaa tgatagtgta 240
ataatagctg acattcttat ttaccacata atcgacgccc attgactgat tatgactcac 300
atcttaatat tattata 317

<210> 34033
<211> 377
<212> DNA
<213> Glycine max

<400> 34033

tgggttaagt tgagttggtt catcatattg agaccattat gttcattaat atcattaatt 60
 tgtataaatg ttgttacaat ctacatgtgt atatcatgct gcttatgaaa tttagttttat 120
 tacaaaaact tcttgctctt aattttgata tgtatggcgt gacacccttt accccgacat 180
 atacataaat aaataaaata tgtaaataata ttggtaaaca aatccacgtg ggtaaaagat 240
 tcacattcac ttcactatta tcaaataata tttgtataaa tgttgtttca atctacatgt 300
 gtatatcatg ttgcttatgc aatttacttt attacaaaaa tttcttgctt ttaattttga 360
 taatggatgg tatacat 377

<210> 34034
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34034

agctttctaag gatatgcacg gcttatactt taatgatttg gaacgatgca ttagcggttaa 60
 ttaaataatag tcaacaacaa tagtttcaac cgcagatacg tattcaacaa ttgaggtcac 120
 cctaaaaatg atatacaata atcattaatc tcttgccctc ttcataatcct tcccgtttat 180
 gtggacttct tatttactaa gtggttatct cttaaaagta tttatcaaag cggtagagtt 240
 ttaaaattat ttatctacta gaggttaattt ttgtcatata aaatgtagaa ggcattgatcg 300
 tgagtgcagt cttgtgtttt tcgtttgtcc actaatagga tgcaccattt tttttgactt 360
 cttcttttca cgtattcagt cagtat 386

<210> 34035
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34035

tnttgggcgc gcatgcgttt tagtagctag gttttgtatt ttattcaatg aaccaagatg 60
 gtcacgatg agaccatcgt tgctgtcatt ccatgttatt acaaaattgc cactaggtgg 120
 cattctaaga cggtcataag gaatcgcctt agattctgtg acgtaaaaaa aattctgtta 180
 attacaaaaa tgccatcgtg tggcattcta aggcgggttct acagaaccgt cttaaaattca 240

ctgtcgtaaa aaattaatTTt tctagtagtg gtaattgcat ctttcgttaa agatcacaaa 300
 caagcaacca gaattatatt aaaaccaaca tactgataaa gtggcattgc acganacact 360
 aatacttcat tgtgaaataa aaataagaac atanaatgcg tggaaataa taa 413

<210> 34036
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34036

agctttgtca aagtttagcat ggatggagca ccttacctcc gcaaagttga cttgaagatg 60
 tacaagagtt accctgagct ctctgatgcc ttgggcaaaa tgttttagctc cttcaccatt 120
 ggtaactata attaatccat aatttaccat acattaactt ttttttatat agaatttaat 180
 gactgatcat aacttttacg tatcagtatc tagtttgttt tctctttaat ataactacca 240
 aaagatatgg atcttanatt tgattctgta gaaagttaac taatggtgta tgtgaatata 300
 aaattgaatc gtgcagctga ttcatggta ttaattattg gtgtgttctt gatataatta 360
 aggaaattgt gaatc 375

<210> 34037
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 34037

tacatatact gacactacaa tggaaataat atgcacttcc taacaactat acataacatt 60
 ttgttcatgt attaatgaga caaccaccag gacattgctt gctcatataa tgaggccgac 120
 aagacaaata tggatgcata attgctacat ttcaagcttt ttgagttgta aactgattca 180
 ctttggcctt gggatttggg gaataatatc agaatgactt gttggaattt cgatactaga 240
 tatatcatat cattgctcag aaattaatat atgatgttta ttctgatgat gatgtttatc 300
 aagcctaatt agtttctgat gtggttcaca attaactaag aagtagcatg tagattaa 360
 caaaaacgaa aacacatata gattcctggt ataaagcaat tcagtgatac aaaacacata 420
 attaa 425

<210> 34038
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34038

agcttatcac ccttaccggc tattaaaaaa tcttttaagg gaagttaaga gcatgatagt 60
 gtgctgatac cattaactag tcaacagggt cttgagcggg ttgagggcat caatactata 120
 tttggaaaga cccaaaagaa gaaaaaaaaa agtaaaactt ccatatggaa gatgaggctg 180
 atattgtttg atcttcata ctggttcgat ctagatgtca tacattgtat tgatgttatg 240
 catgttgaga aaagtgtgtg tgatagtgtc atcgacaatc ttcttaacat tcaaggcaag 300
 acaaaggatg gtttgaatac ttgccaagat ctagttgaga tgggtatacg agaccagtta 360
 catccaaggt ttgatggtaa gaaaatatac 390

<210> 34039
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34039

ntgagaattg cccaaactcc ctctcccttt ctaatttcaa gcttaaatag gtgaccttgt 60
 tgggtgcttg acgcttagcg caactccgac tcaacttagcg tgcataagtg aatttcggct 120
 tggcgctcgt cttctcgctt agcggatcca tacaagtggg gtgcttagcg agatgagccc 180
 ttgcttagca tgtgtgtcta gctcatcctc attccagatt cttcctcgcg ctcagccgca 240
 agagtgggtg gctcagcgga tggctcgcta gcgagaagtt gaaaataaac acttcataaa 300
 cttgcctaataac taacctgaaa ttgaaaggaa atgattatta aatacataaa aatggagtag 360
 taagtactta ttacctatat ttaacanana gtaattacaa cactacaaaa taaccataaa 420
 tgggaggagt tagatacaat 440

<210> 34040
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34040

agctttataa gcacatgtct gggagacaaa gatcaagtgg tcacgatata cgaagatgat 60
gttcgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acgagcataa tgtaaacatt tacggttnta 180
aaagctctat agttgggcct atgctttaga gtttttcttt tgttgaggct ttgtgtcttt 240
tgtttttgaa tttataatac aaggatcttt cttcatctgt tcctacgtct ctacccattc 300
tcatccattt gcatgtttac ttanttatit ctgaaacggc agatccgatg acgagtcccc 360
cgaaggtact aatacctgtg acccgtctat caacttcgag c 401

<210> 34041

<211> 394

<212> DNA

<213> Glycine max

<400> 34041

tccatcacat tctaaatgta gtttggagaa tgaacgatct gctttcttgt aacataaacg 60
tttaggtcac atttctagag aaatgatgga aagattaata aagaatgaaa ttcttcttga 120
tctacatttt acggatctaa ctatttgtat ggattgtatt aagggaacac aaacaaaaca 180
taciaaagaaa ggagctacca gaaacactcg gcttcttgaa attgcgcata ctgatatttg 240
tgaatcattt gatgttaatt cttcatatac agaaaaatac tttatcacct ttattgatca 300
ctattcacgt cacggttatg cctacttact gcatgagaac tctcaagcag cggatgcctt 360
ataaatttac ttgaatgaag taciaagaca atta 394

<210> 34042

<211> 321

<212> DNA

<213> Glycine max

<400> 34042

agctatttct agactcatct tctctttgaa gtgacatctc ctctctccct tccttctcca 60
ttccgctgcc actcatcttc caagaagtaa aggaattcat tgatgaagaa aatcctagac 120
ctacaagctc caatggagcc tacatcacca tggtagaga agaaactcta cttctttttc 180
ttttgggtct atgttcttct actgaggaga ttgattgacg aaatgggtcg cgtagaaatt 240

atgaatgacg atgggaaatc atggctattc tcgcttgat ctcaaagatg agaggatgca 300
atcactaaac aacaaatgat g 321

<210> 34043
<211> 411
<212> DNA
<213> Glycine max

<400> 34043

tactcaagct ggtgcttctg ctacgaagtg gagctggagg aggaatatat tttagatttt 60
cttccttagc tcatgattgc ctgcggttct tgtgccatgg tcctaggtaa cgaaccttcc 120
tttggttgcta ttattattag ggaccacttt agatttaaac tctgttggtc ggtctgattt 180
catttgacat tctgtttccc ccgatcttta ttctgttata acttaattct gagcactttt 240
ctaatttata actaaattta acaatcgaca aatgagtggc acgcgatata aaactccctt 300
tctcctatct ttttttctca aaataaataa atcctcgatt accgcattct attcataaga 360
tactttcagt taaatttgga tcaaagcacc ctcgatatg attagaatat g 411

<210> 34044
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34044

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tagtggcttt cacacatgag gtatgactta atttgtttca cgtacttaat tatggattaa 120
taatcatcac catattatac tcatgatttt ttttattgat cagaactcgg aaaactggaa 180
gtcctctcat ttgacaaaag gaactatcat ggatccaaat tacagcttgc ctcccaatat 240
tgctctgata actcttgagg tagagcaact tttccaagga tatatatcta tagtctataa 300
cactcttgac tctntttgtc tcanactaaa atgttctgca tgagttggat ggtggaattg 360
tgctctttcc gttggcacat ctata 385

<210> 34045
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34045

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tcattttattt taaattttatt cctcttaaac tatagggtga caaaataagg agaagaaatg 120
attggaggag atggatcatg cctgggtggc aggttcctaa tgtagaggt tctcaaaccg 180
ttggacagct ggctgaacga gttcaaaaca ttactctgga gagaactaac aataacgatg 240
ctggagtatt agatgtttca cagaatagac cttttgggga tttgaatagt caatatctcc 300
attccactag cgagggtact gctcaagtcg gtattcaagt ttcagatcat tctatttctg 360
caagaaatta gagctgcaga tggtctttac aaacattttt tgaagaatat tcttc 415

<210> 34046
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34046

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ttgctgtcag tagattctag attagtttgc actaggatag aagtggagaa gtctaaaatg 120
gtagtaggggt ttggtagcag tacatactag ttatatgcat attgaaacaa tgtactttgc 180
agtgtcctccc cagatgaaat ttgctactg ataccttcag gcacaaagta tatagtcaat 240
gcttattgga caatatagtt agtacttaca agagtacatg tagcttaaata tcaataactta 300
gagcactata gcacatacca agataagagc gctagtacaa gaagcattct agccttacca 360
gcatanacac gatcatanac tct 383

<210> 34047
<211> 247
<212> DNA
<213> Glycine max

<400> 34047

cgtgggtgcc tcggcatgga tacctgcaaa tcggttctcc cgctggtgg ggtctcgtat 60
ggcggcgtgg acacgctcat atgtgtctgg gacttgaaga ctgatgagag agtgcagact 120
gctcacggcc atgctcgtgc agtgactcgc attgcctttg acgatggcga tggtgtctcc 180

ttttctgttg actcgtaggg cattgcaatg ttataatagc tttaaccatt ccatttgttt 240
attatta 247

<210> 34048
<211> 396
<212> DNA
<213> Glycine max

<400> 34048

agcttatctt ggatattttt catctacaga acagaatata cagtatttag caaatatttt 60
caaactttgt aaatgcagat accaacaagt caaaccttga catatgacag acctaaactt 120
ctataatctc ataaattgct ttttccacat ctaactctta cttctcaagc tgtatgtttg 180
catgcaatcg agatccttga aatgaatctg aagtattacc atcgtttagac gtgataccaa 240
catctgcata aacataaag ccacaattct actaaggaaa ttgagttcaa caattaattt 300
ctacactcta aactccgga atcatagaga acatatatta attacatatc aaaaaagatg 360
gaaataagag aagacactaa cagctacaat tttcta 396

<210> 34049
<211> 424
<212> DNA
<213> Glycine max

<400> 34049

gcttgccaca aacatcaagt tctttgaatc ttttgatat tgtttctatt tctgccttga 60
tgctcactta gggctcagat aacccttggc caaaaaact tagtctcaa caaacatat 120
ggattgaatc caatgggatg caaccaccaa catatttgga tagctcacia gcacaaggaa 180
gaccacgctt ggttctcacc acacaaccac aacttgaagg attcttgcca gcatagtcaa 240
cacgctctat ttcaacaaca atcttattta aagcatacct tgaaaccatt ccaagaagcc 300
tcttgataaa cgtttttttg aagacatgct caacgacatg tgtacttggt tcaaatgatg 360
ctttaatctc cgtgtgctgc aacgtaatac tgttggtcat ggcattctac aactgcata 420
agtc 424

<210> 34050
<211> 374

<212> DNA
<213> Glycine max

<400> 34050

agcttattca caggagcagc aaacctcaac tcaacagggc aaagatcatc atatattctt 60
tgtccaacag actcagtctt ctcatggac ttcttctctg gaacatgaga aatgaatgta 120
tcataaattg tattgctata aacagacttt tcccgtacaa ggtctgtggc agatgagttg 180
aatgcaattg gatggtataa caaaaaagat tttggttttg aagaaccaac ccagggtttcc 240
tctccatctt cagcaaggga gactgcatga tcatcaaggt gtgcagggcc ataagctgaa 300
acagcgatct caccagccac ctgcataact tctttgtatt tgaggccaag ctctgcttct 360
actgaaaatg cgtc 374

<210> 34051
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34051

tgttctatat taatctagtc ganaactaat tcttcgattc ctcttatgtg cttacatctc 60
atagagagaa aatcagagaa gagtgttcac atctccagag agaaaactcg agaagaatga 120
tcagggtatta atctaactaa tgatttcgcc taatagaaaa aatagatata tcaataaagc 180
acttgtcatt tatgactgcc taaattcatc atactaatta atccgctgac taattcctac 240
aacatgaatt tgggtcaaaa tgataaccac aattgtacta ctatgttaac aaccaccacc 300
ataaaagttg ttatttcgac ccacctaacg ccacatatag tgctttctca ctgacgtagc 360
attcgtagtg atgatga 377

<210> 34052
<211> 393
<212> DNA
<213> Glycine max

<400> 34052

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggat ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgattcct 120

ccagatttac ctgagtaaac tctatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct aggacttcaa agagagaaag actgtgtcat ccagagaatc atgagtgacc 240
 atggcataga atttgaaaac agcacgttca ctgaattctg ctcatctgaa ggcattcactc 300
 atgagttctc tgccgccatt acaccacaac agaattgtgat agttgagatg aaaaacagga 360
 ccttgcaaga tgctgctcgg gtcattgcttc atg 393

<210> 34053
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34053

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 aatttattgt cgtttgaatt tgctcagaga ttcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat tggctccgag 180
 cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaca catccganta 240
 aaaacctatt gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggctctgat 300
 atcttacggg actcaatcag acatccgagt gaatagctat tgcgtttga attggctcag 360
 agcttcaaca ttcaatttcg agcggctcga tatattacgg tact 404

<210> 34054
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34054

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 cagtccaagc tttcttccaa gtcctaaatg acatttcaag ctagtattaa ctacttttaa 120
 cctcccttac tacagaatca gacttacctt ccactcttaa gactcactct tttccactca 180
 taac 184

<210> 34055
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34055

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atctttctag ttgttttttt attttccgc ttaccaagct atcgacgaag aagcatccag 120
caggcaagat cttttccctt tggctgctat gtatgttttt ttcattacta tttgtctcta 180
tttgcaaggt tttaattttg ttgtttctta tgaatgtttt ttatgagaat cctgaaactg 240
accaaataca ggctaaaggc ctaagtggag aatgacaaag cccccaagtg gagaacgatg 300
aaggcccaag tggaaaagga tgaacgcca gaggcagaga cactaccaag actattaatt 360
gttgctgaag gccagatta aattg 385

<210> 34056
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34056

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gagggatctg aggatgaagc ttggattgat tcagtctaaa tttaggcttt agatcattac 120
aaaatatgct tagctgagca acatcttcaa aattgtgatt aggacatttc ctcagcaatg 180
atttgaatta ctctatact tcacaaaagg gttcttttga tcctttcttg aatgtagaaa 240
tatctgactn tacattgata tacctagatg gagggaaaaa tctatcaaga actttctttc 300
ac 302

<210> 34057
<211> 440
<212> DNA
<213> Glycine max

<400> 34057

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gtttaatgag tttatgagca actcaggatt caaaagatgt gacatggacc attgctgcta 120
tgttaaaaaa tatactaata gttatgttat ccttgttgtg tatgttgatg acatgttgat 180
tgcaggatct agtatggcag aaattaacag gttgaagcag cagttggcag aaaactttga 240

aatgaaggat cttggtccag ctaaacaat ccttggtatg agaattctta gaaacagatc 300
 agaaggaatt ttgaagctgt ctgaggagaa atatatacac aagttgcttg acagggttta 360
 ccttgagat tctaagacca ggaatacccc tctgggatct catttgaagt tttcaaagaa 420
 gcaatctttg cagacaaatg 440

<210> 34058
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34058

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 aactctgctt tctctacat tcaactctgat atttggggac caagtagggg tacatctttt 180
 gattttcggg attttgtaac cttcattgat gaatttttca gatgtacttg ggtttattta 240
 atgaaagaca gatctgaact ttgcctata ttcattgttg tctttaatga gattgagaat 300
 caatttggca aatcaattaa gattttcaaa agtgataatg ctaaagagta tttctctcat 360
 gatctctctt cctttttatc ttcaaa 386

<210> 34059
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34059

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 caccttcctt aaaggtgacg tccctacatt ttttatctgc cttttgtttc atgaggtcct 120
 gagctttcaa cagcttcttg cggattacca cgaaggcctc atctctgatt ttcaaacct 180
 catctactat gcccaatgac aaggtgactg taatgtattg tggatggtg aggggtttct 240
 tgctgaaagt catctcgat ggggacaaac tagagccgga gtggaccgag gtgttataga 300
 accactccac ccaatttaaa aacttcccc atgaagacgg cttcttatga acaaaggctc 360
 gaagacattg ttctatgaca cggttcagca cctttgtcta accatcgatc t 411

<210> 34060
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34060

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 actcacgcct tcggataaag atacctgcat tcttccactt ctcagtactt tttataaact 120
 ctacagggat gcacatacca ctgtgccata catattccgc cactgcctga tgtaaagtta 180
 ctacacatcta ctttatcgcc tgattacatc tggcatcaac tctacaaaac atggcttatt 240
 tgcttattgt gcttattgtg cgcagagtgc ggtatctttg gagggcaaag aataccccaa 300
 gtatgaaatc tataatgccc atgttgtaca ttccatccag aaatggtaac ttgccggcta 360
 actgccgttt ctatctaacc attcaatctc tgactagtag tttctcgac gacgtgtccc 420
 tacgaacata tctttggatg gttgaatcat acttgcgctt gtgcgttgcg tcgctaccta 480
 gccacacttg gaattttctc tcacaccccg 510

<210> 34061
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34061

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 naatancaca gcttgantta tgaacacgct tatgacaaga ttctacgcta ctgnttgagg 120
 cttaaaccacaa ttagttaaga gccctcatt ggtcttagat tgcttatccc ttgacgtcct 180
 cactgtcnaa cttccatctc tgccttgtgt agcagaaaat caagaagacc tctacccttc 240
 ctgggttttga tgatgaatgt ccacatgcac ctgattaggc aactgactca acacacctcc 300
 atctagaaca tgacttaatc tcatcacctc tcgcacggca tcttcttttt gcaccaccac 360
 tggacatcca aattgacatc ctatgaacct atcgtgctgg gtggtgttcg gactctacta 420
 gtggctacca cgcggtacta cccactgcaa atgcgtgggtg agacttcact gggatctaaa 480
 ctacgcatct cggg 494

<210> 34062
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34062

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agctttgcct ccactttcat attcatacgt tatttggttc aacattaaat tgaaccgacg 60
cacatttttc atgtacgttt ttgtgagaaa tgaaaattca taacttttaa tttaactgtc 120
at ttgaggaa ttccaaatgg taaaccaaac acgctatctt gaaaagttcc tgtagttaca 180
gataaccag taactgaata atcaagtttg aaaaattcat gtagttacag ataaccagc 240
tactcaataa tcaagtttga gtcaataatc agtccaattc taataaatcc ttaatccaga 300
tagtcacgtt gaacagaaaa acataaattt ttatgccaaa aaacaaggta taaatgcacc 360
agacacaaat gagtaaaata taatttacgt ttaacacaat act 403
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<210> 34063
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 34063

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ggaaggatgc ttcaacggag gaaaagaaag agggagcgaa agagagaggg gggagtacga 60
aattgaagga aaaaaaggga gagaagttga actttgagtt gtgtctcaca agactctcat 120
tcatcaaagc tacaactagt gttacgcatg attctatcta tagactaggt agcttccttg 180
agaagcttcc ttgagaaaac ttccttgaga agcttccttg agaaaaattc cttgagaagc 240
tagagcttag ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt 300
aagaagattc ctaaagaagc tagagattag ctacacatac ctctctaata gctaagctca 360
cctccttgag actaaaagct agagcttagc tacacacccc ctataatagc taagctcacc 420
cccatgacac aaaaacatga a 441
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<210> 34064
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34064

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 aaaaatgaaa tcggtacatt tgggtatttg ttttggtaat attatgtgac gaattcaatc 120
 caaaaatcaa caaatgaatg tagacctcat aaaagtgtga atgacaacct ttttttttg 180
 tttttccaaa agtataaaac aaataatgaa ttatgcatag ataaatttta taaaaaaaaa 240
 ataggattgt ccaagtttga atttcaatat aaaaatacaa ctcatagttt ttgctctgta 300
 aatattgttg aaattgaatc gaaaactgaa ctatctactt ttaanactta atcggttaaa 360
 ttatgtgaaa gtcttacggt attgaatggc atcacaacac aca 403

<210> 34065
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34065

tatggattaa ttcaagttgt ttgaatttaa ttaataatct gggattgttg ttattgagag 60
 tatttagatg cgttaaataa ctaaaagaaa gtttttacag tccatgtgat cctatttgcc 120
 tcgaaacaaa gtaatgggga gcttggcgtg gaagcagctt cttctcaacg ctctggaatc 180
 caacgctcac ctcaagcact cttctttcat gcagctcgta tgtcaatcaa ccaatctttt 240
 ttttttttct tttttttata atttatgcat ttttatcctt ttatttgtgt ttcggaacagg 300
 caaccctagg aaccaacgga acaccttcca accgcactgt cgtcttccga ggattccaag 360
 acaacactga taacatccaa attaacaccc atgcccgcac tcccagggtt cttcttattc 420
 tcgatcagct 430

<210> 34066
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34066

agcttggagt gacctttgtg ttgacccgag accgaaattt gtctgtgtgg gcgaagtttg 60
 accaaaacca tatcaccaac ttggtattca gcttcacggc gctttttatc tgctaaatac 120
 tccatgcgat tttgagcttt ctccaatttt ttcttgattt ctgcgaaaat agcctcgca 180
 tcagtgagca tgacattaac aacatcaatg ttagaattct ctgccaata ttgagaacag 240

ttgaaaggct tcttcgcaca tgtgatctcg tacggggaaa gacctgagct tgagttccaa 300
gaggtgatgt aagaccactc cacccaacc 329

<210> 34067
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34067

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cctctataaa aactacagtg taactgaaac tctttcggaa tgaaattaaa tgcatagtt 120
ccacaaattt ttatgcattt ctctctcttt ctcttactct ctatttctct ctccttctat 180
tttgtagttt caattcattt ctagtagatg tcatccctct ctttttgtgt actcaaagtc 240
agaatatgtg tatggccaat ttgagtaatt aaaaaagtt atttgggttt acggcatgac 300
taagacaaaa tgtgttaggg tgtgtgtgtg tatcaatgcc tattctgttt gagtagtaca 360
gcttcaacct tggacctgaa ctttatccca tntaccctc tgtgagaata a 411

<210> 34068
<211> 182
<212> DNA
<213> Glycine max

<400> 34068

cgggaactca gagacactgc agcatcacgc ttgcagcaac ttgcaccaa aaccaaacc 60
cccgaaaaac aacgggatcc aaacacaaag tcggacgcaa cggacataag aaccaccaca 120
taagacgcgc cgaacattcg catacagcgg acatgcaaaa aagcgaccat actgcagcaa 180
aa 182

<210> 34069
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34069

actagccacc acacgcctaa tgccaaaata tatatacaat aaaaananann anaagacgca 60

cattcaaggt caaggtgaac ctatccatac acatagtcgc ttcttgatgc aatgcatcaa 240
 tcaccctccc tcttgcttct ttctcggcgt acacttgatgc aaaatcctcc actagctatt 300
 gttcatgggt cacagactgg ttcaactctt ccttcgactg ccctatgata gctagcatgc 360
 tttgctccgt ggcttccaag tggtgagcca cactcctctt gga 403

<210> 34072
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34072

agctttgaac actctgatat ctttgctcca tatacctagg aaaaattggt acaagtctga 60
 cacactgtct tattatcaca gaatccatat tgcgaaagga atgaagacca ttatggggct 120
 gccaaagtgat atgtagtttc tgcataaaca ccactccat tatcttcaac ttaagataaa 180
 catcaatata ctgctgcagc aaactgccga tgtagggcga tcaactaaaa gacctcatca 240
 tcttatacat tataagacct atgatggtta gaacaaatgt ccattaaatg aatccacaca 300
 cccttgcatc ttctggaaga aatatctctt ccatactttt acgtgaactt acaatatagc 360
 ttccggagatt caccacactt ctagccatgg ag 392

<210> 34073
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34073

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 ttagaaaaca agctaagagt aatgagacca ctaatatgaa aactaaacat caaagcatgg 120
 cagggatata tgcttaattt tgaaaagaga taaagtactt ttttctaaaa aagataatca 180
 tggagtgaac aatgtgaacc tcacgtagta gccaaaaaga tgatgcttgg tttatgtctt 240
 gtgcaagaac accatcagat atcatttcat tctccataga gccaaagtaga aatgcttcag 300
 gcttttgctt ggaggtatca aaacaaaatg tgacatcata tgtgaaggga cttaattaca 360
 tgctcagaag tgataactaa caaaaaggaa aataatctct atggactatc acatgactga 420
 ggcacaatga taa 433

<210> 34074
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34074

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 atgagggccc tatgcacagt tgcaaagcac ttggatggaa aagaggtact gccctatcgt 120
 tgtttgtgga ttgactttct ccagaattta cgctgggtca atctttatcc agagaggaaa 180
 tcagacacct cttgaagtat tcaaagagtt gagtctaaga cttcaaagag aaaaagactg 240
 tgtcatcaag agaattatga gtgaccatgg cagagagttt gaaaacagca agtttactga 300
 attctgcaca tctgaaggca tcaactcatga gttctctgca gccatcacac cacancataa 360
 tggcatagtt gaaggaacaa catgacttt 389

<210> 34075
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34075

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 tgggcttcca tctggatcatg agtttgggtc tggcggttgt catgggcttg ggctttgatg 120
 tccacatcat aaaatcttat agttcgatct ctatgctatg gtttataaat gtttccaaca 180
 caagctaaat cattttaagc ttcttttttc atacctaaag caataaaatt aaatatagtt 240
 aataaaacat gaaagaataa aaaaaataat ataaaactat tgaaaaattc atataagtta 300
 aaagaataat ttaaaattta tgaaatgatc taaaggtaaa attgtacaat aaataaagaa 360
 tgattagtga atagttactt acttttgatt gattgatcaa ttttaatctg cataattaaa 420
 aatattaa 428

<210> 34076
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34076

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tgaaccgtgt gacgcatcta gaacccatgg caaatcccag ctcggtacct cggagatacc 120
cncagagtac cacctgcatt gctgccatct tgttatgaaa taggacactg gaagaacacg 180
cactagacac ctacatgcca cacagcttga tctgctacga agtcacgctg cgaaattcta 240
atccccaccac gatacaaacg atttctcatgt ttccaaagct caacatatca actagtcgac 300
cccttggaca ccacataacg acatactcca agtcaacgac ggcataccac caaagcctca 360
cggatcgctg cgagaccacg tctaaactgg aatacggccc atggacaacc caccaacgta 420
tgaacaaacc gctggataaa aattataaaa tctcttaagc tcttctcata cctcaaacta 480
ctttgaacac ttataaggct gggacacata agactctatc ttcaccgtag gaatccg 537

<210> 34077

<211> 284

<212> DNA

<213> Glycine max

<400> 34077

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tttctgaatc ttaacatata tatgactaaa tgaccttgcc atctagctaa tttttgttta 120
ctttacgaag gtaccggaga atttcgatta acatcggatt ggcccaaaag acacaagatc 180
tgccttacta ttgctagagg tttggctttc ttacatgaac aatcaagatc tgcctttaca 240
tatgaatacc cctgcacatg gcacattagc caagccaaga atca 284

<210> 34078

<211> 392

<212> DNA

<213> Glycine max

<400> 34078

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agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggacgtcaat atggccaccg ctgatgcctt ggaatgagaa accaagaagg cccaaaagga 180
agaacacgtg ccagcaaagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240

ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tcttgaagga cgagctaaag 300
 gcttacctta ggtcgaaaag aaatttggtc taacagttta gcgagactga aggggaatatg 360
 tgggccccga tcgatgagtg caaagagaag ct 392

<210> 34079
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34079

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 atcgagacgc ttgaaattga acaacgcaag ctctcgtgaa attcaaattg tcataacttt 120
 caactcatag gtccgattca ggcgcataat atatcgagat gcacgaaatt gaacaacgga 180
 agctctcgag aaattcaaatt gatcataact tttctcacgg aggtcagatt tatgcgcata 240
 atatatcgag acgcttgaaa ttgaacaacg gaagctctca aaaaattcaa atggtcctaa 300
 cttttcactc ggaggtccca ttcaggcgca taatatatcc agacgcctga aattgaacaa 360
 cggaagcttt 370

<210> 34080
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 34080

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 aaatttttgt tttggaagtg gaaaggccag aaaattatga catgcttgag aggggttttta 120
 ctcgaatttg gctgccccat gagggatact ttgcaccttg gtagcatgaa aaataccttt 180
 caatgggatg tatatatgtg tgtgaatata ggtagcatgg aaaacacctt tcaatgggtg 240
 gtatatatgt gaatatatgg catacaatcc cttgcaaagt gtgaatgagt agcttcctaa 300
 atgaatatat gatggcacat aattcccttt tcacatgcca gtatgtgcat gacgtaggta 360
 gctttccaat gtgcatatga ata 383

<210> 34081
 <211> 344

<212> DNA
<213> Glycine max

<400> 34081

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ctcaattagc tcaattgctt ctttcgacgt ctttagcttt atttttcccc ctgcaaaagc 120
atctatcaat tgcttggttt gtggtctcag cccacctatg aacatattca attgaattgg 180
ctcagaaaat ccatgggtgg gagttcttct caataaacct ttgaaccttt ccaatgcttc 240
actcatacat tcatcatgga actgatgaaa tgaagagatt accagcttta ccttccgtag 300
tcttggaactc tgggaagaat ttctttacat atttttcaac aact 344

<210> 34082
<211> 281
<212> DNA
<213> Glycine max

<400> 34082

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ccaagccctt actttggagg ggcaactccc accttatgaa gactatcccg ggcaagacga 120
tggggaacga gatacccatc ttggccccct gctccacctc acagatccgc cccacatga 180
actaccccaa ccgaacatag tccgccatat cccggcctca cccacacccg taaaagaatc 240
tgtccccttc gcggaagata acggacagat tgatgcgctt g 281

<210> 34083
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34083

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gcagaggagc acaaaccaca aacccttgcg acaggtacag atttctgatt caccgccagc 120
tgggttacca agttaaccaa tgcattcagt ttgccttcaa gcttcttagc ttcatatgat 180
gcagatgggc ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
ctaaattggtt gggagttgga agccatcttc tcaattaaat ntctaacttc agtaggagtc 300

atgtctccaa gggctccacc actggcagca tctactatac ttctctgcat attgctgagt 360
ccttcataaa aatattggag aagaagttgc ctcgacatct gatgggtgagg gcaactgaca 420
cat 423

<210> 34084
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34084

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aaagtacaca acataaacta gtacatactg aatataaatt agtcatatcc aactacacat 120
cctaataaca aaataaaaca agaaatgggt cttcactttt cttcattttt atactggatc 180
tttatcagca gccttccttc cagtgaacct cggtgttggc atgtaaaata aggggtgttg 240
tggtggggcca tccacaacag gtgcgtctac tgttgaagtg tgtgaaatgt tcttttgttt 300
gggtcttggt atgtctagct tataccttgc tactgggtgg aacatcacia tagatgcang 360
gacctacatg caaatgccan acatgaataa cacttgtaat atat 404

<210> 34085
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34085

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ataagtcaat gctcaatttc cttaaagaaa tgaacatgtg aatcatagtg atagtttctc 120
ttataacgag taatatcatc cttgtattac aacatgttca atttcccaag tagtatactt 180
aatgtaataa taaaacttaa tgaataaact caatgtttat tgttgggtcca aaacatagat 240
ttctcfaat aatcaatgt gcacatgaat atgagaaaat atcacaatgt aagagtttca 300
actctgacct gtatgtatac aatcataaag tggaaccaag tcttattctc tctacatgat 360
ccttgaactt aaatggtgac atgtccttag tcaaaggatc aatgatcact agcttagtgc 420
ttatatgctc aatgatcat 439

<210> 34086
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34086

agcttagcaa atggttctgn gtgttgccca gtttcatcat atcttccgta atactcatca 60
 cctctatcat atctaataat tttcacattt atgtctaatt gcccttttac ttcattgtag 120
 taaatttcta aggcattccat tgcctaagaa atctcgggca gtaagtagac ataactgtaa 180
 cgtgaataat cataaaaaat gatgataaag tatcattcct ttccgaaaga actaacatca 240
 aaaggtccac aaatatcagt atgcacaatt tcaagaagct gagtgcttct tgtagctcct 300
 ttctttgtat gttctggttg ttatccttta atacaacca cacaatatatt tagatccgta 360
 caatctagat aacgaagaat tcattcttta taatcttt 398

<210> 34087
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34087

tanaacagtg cagaatcaag acacaattgc attaaactta tcttctttgt gttcttgctt 60
 tctttttaag gtagaaaact caaaaaaatc attttcttct gtttactaca tttcaattca 120
 tattttttct ttaaaccatt tatccaaaat taatttcttt ctaattatta cttattttta 180
 ttattggatt aaacatcttt ttgatctttc taaatataaa aatggctttt ggtcctctat 240
 ttctaagaga ttgtcacagt acatctatat cactcatctc gttcgatata agtggagtta 300
 acggtaatgc agtttgtgac aatttaccag cacatcaaga tataaatgat atattcatag 360
 tgttttaacc acacaaaaat tgtccctcat ccctagtcgc tgaaacgaac ttaactccaa 420
 acttttactt tcttacctta ta 442

<210> 34088
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 34088

agtccttctct atagtgttatg ctcttgaatc ggtcatccgg gttaaaagtc atgaccattt 60
gaatttctca agagcttttg ttgttcaatt tcgaacgtat tgatgtatta agcacctgaa 120
tcggacctcc gaccgaaaaa ttatgaccat ttgaatttct ctagagctct cgttggttaa 180
tttcaagcgt ctcgatatat tatgcgcctg acttgtacct ccgatggaaa agcgatgacc 240
attttaattt ctcgagagct cccgttggtta attttaagcg cgctatatat tatgctgccc 300
gaatctgacc ctacagttaa agctatgaat attcgaattt cccg 344

<210> 34089

<211> 393

<212> DNA

<213> Glycine max

<400> 34089

gtcataactc ttaactagga tgtccattc ttgcacataa tatatcgaga cgctcgaaat 60
tcaacaacgg aagctctcga taaattcaaa tgttcataac tgttaactcg gatgtcagat 120
tcaggcgtat aatatataga gacccttaaa attgaacaac gaaagccctc gtgaaattga 180
aatggtcata aattttaact cagatgtcat attcatgcgc atgatatatc gagacgctgg 240
aaattgaaca acggaagctc ttgataaatt caaatggtca tatgttttaa ctgagagggt 300
cgattcatac gcattataca ttgagatgct cgatattgaa caacggaagc ttttgagaaa 360
tcacatggtc ataactttta actcagatgt cat 393

<210> 34090

<211> 164

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34090

agcttgcttc tacattatta aactaatata gggaaattaa canaaagtaa aagagagggg 60
tagagaaggc ttacttagg gctaaggagc tttcaaaatc tctcttatcc atggaaccct 120
cacaacctcc ttgaacacca ataacttggt cttccaatga acct 164

<210> 34091

<211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34091

tcctaagcaa gagaccaa at tgagactctt agtccccctt tctctcttaa ctggcacacc 60
accctaggtc attctagggt tgggtgtggcc ttatataggg ggtcttaatc cacctgngtt 120
aaggcccaat taggtcaggt gccctaattg aatcttaaaa ctctctatta agcttcgtga 180
tacttaacct tagtcttttag ttactctaaa ttattaattc caactctaac taaatctctt 240
tatcaattaa attatTTTTT tagtTTTTTT taatatattt accaatttgt cattaatgag 300
ttgacaaagt caaccctttg ccattgaccc tagtagtcta tgggtgacct tgttgacttt 360
ctctaattnt tactagaaaa cgagtatntt tttctcatt nttcctttta atctaatttt 420
ctataattct aat 433

<210> 34092
<211> 398
<212> DNA
<213> Glycine max

<400> 34092

agcttgccaa gatcatggca gacttcgagg cctggctgaa ggagttagag tccaagctga 60
aggagttcga gcagcgggcg actagggaga gagaggtcag gcagcaactt gaagaagagt 120
tgctgatcta caagaatgag gttttggagc agcatgagaa aggctttaaa aaggttgtca 180
agcaggccgg attcttccaa aaggaccttg acttgggtct ttttgaccct ttcaattggt 240
tttgaagggt tattatgact gaatttgatt gtcaatgttt ttcaaaagac ctagtcaatt 300
acccatgcat ttagatttgt cgtgctcatc ttatacatg ttctaaaatc acttaataat 360
atggttatta gtttttaaaaa taaataatac aacatatg 398

<210> 34093
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34093

tgcctcanag agatctagga aggataaagc ggctgatgga cccagttctg ctcccgaata 60

tgacagccac cgttttagga ggcgtgagca catcaaggga tggtcatttc tctgggagcg 120
 acgcgtccag ctcagggatg acgagtatac caacttccag gaggagatag ttcgccggcg 180
 ttgggcatca ctggttacc ccatggccaa gtttgaccca gacatagtcc tcgaatttta 240
 tgctaagtct tggcctacaa aagaaggcgt gcgagatatg cgatcctgcg tgaggggtca 300
 gtggatcccg tttgatgcgg atgctcttan ccagttcctg ggataccctt t 351

<210> 34094
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 34094

agcttgtatg gcaaactgga tgcattgggt aacttggttaa cccagctggc cttgaatcac 60
 aaatctgtac ctgtcgcaag ggtttgggt ttgtgctcct ctgctgacca tcatacagac 120
 ctttgccctt ccatgcagca acctgcagca attgagcagc ctgaagctta tgctgcaa 180
 atttacaata gacctctca acctcagcag caaaatcaac cacagcagaa caattatgac 240
 ctctccagca acagatacaa ccctggatgg aggaatcacc ctaatctcaa atgggtccagc 300
 cctcagcaac aacaacagca gcctgctcct ttcttcaaaa tgctgctggc ccaacagacc 360
 atacacttct tcaccaatcc aac 383

<210> 34095
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34095

tattctttat ctagagtagt tgagcatcca acttactact gacatatatt cgactgtagt 60
 agtggacaat gtagttgagc cttgcatctt gcatattcat gttactaagt tagcaccgat 120
 aaagtaatag cttccactag agctttttct ttcaactcta tcaccaacat agtcaacatc 180
 ataatagctt gcaagtctga aactctctct atttttgaac ataacaccaa gattagaagt 240
 tccaattaaa tatctacaaa tatgtttaat ttcacttagg tgaacttccc tttggtat 300
 ttgaaatctt gcacatagat aaacattgaa cataatatca caaatggatg cagtgaagata 360
 gaccactgag ttgcatccac tttttttgat cc 392

<210> 34096
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34096

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 tgttttttcc tagagaggat gggtttgtac tttggtgggc tgcctaaggc ctctcctaata 120
 ggggtgcaga ctgtatttgt attgctttta tctttgtatt ttcagtacac ctagtactgg 180
 atttcatata taatatattg atttttgctg tgcaaaaaaa aaagaaaact gagtttttaa 240
 ctanagtaag aaactctttg aacagagtca gagtttcaga tttacttttc aacacataaa 300
 gccaaagtaaa acgagtgtgg gcatcaaaa aggttacata atatctgtaa cctgtgttgg 360
 acaagagaga agacccca gatctgtata aa 392

<210> 34097
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 34097

ttaacattaa ttaaaagctc actggtgtag gggcaatcac ttatggtaat ttttatgcat 60
 gtgactgaac ttgagccaat ctatatgaaa taaaataaat gcattctcag ggtttcgttt 120
 tgctgaatgc tacaggcttt gcaaaacttt tttgctgctt tagtctatc tgcaaatact 180
 agttttgatt ctctgctgga gtcactacta gcctgtgcta agccttctcc acagtctggc 240
 ggcattgcta aacaagcttt gcattcaata gctcagtgtg ttgctgttct atgccttgct 300
 gctggatgac agaagtgttc atctactgtg aaaatgctta ctgacattct caaggatgac 360
 agcagatcta actcagtaag tctttttctc cagtactctt gacgtgtagt gatattaatt 420
 ga 422

<210> 34098
 <211> 419
 <212> DNA
 <213> Glycine max

tttggttccc tacagatatc tttcatacga ggccatcctt acttcagact aacggaataa 360
aaagaaacca aaacagcaag ttaaccata t 391

<210> 34101
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34101

agcttttagat cagtagtgta ttgttctctc acgttaatgc aatgcattgt tcaatcacat 60
tacaacactg aaatagcaga aaacaaccgt caagggaata actttagaac aataatgctg 120
aaaacaagct tcataggctc caataattta caccctgtaa ggttgacat gcatgaatag 180
aataaaagta gtcataagc atgcttatac ggtcatttat ggtgaaatga tttatgatag 240
catggaatct tgccagaaat aaagtagtca aatttaactt atgctgtaaa catgatttat 300
gatagcatgg accaacttgc tntaagttgg ttaaatt 337

<210> 34102
<211> 423
<212> DNA
<213> Glycine max

<400> 34102

tcaaaatgta gttaagactg cagacaactt ctgttcatgt ttgaagcttg atagaaacac 60
agatgttagc tatagtaata tgaggaaggc tgcttcttgg gaagatttga ctgacaacta 120
tttattctgt tctaaagctg tagatcctca gtacaaggat ttaaggcatt ttcagtggca 180
ttgggaaaag ggggagcctg tcattgtcag caatgtgctt gaatgtacat ctgggtttaag 240
ctgggaaccg cttgtcatgt ggcgtgcatt acgtcatgta actaatacca agcatggcca 300
acatttggcg gagaaaacaa ttgattgctt agattggact gaggtttgct taatttccca 360
atctttaact ctattgacca tggagagctc tttacacaaa tttcattctt caccttcatt 420
ctc 423

<210> 34103
<211> 475
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34103

tgaacctctc acaccgatgg aacgaatcga ctgattgatc cattaanatc aggagagtga 60
gcgggtgacc ctgtgatacc tcgaacacat aggcgatacc actcggaccg cggatctcta 120
aagtcaaccg cttttgcaag cttcaggaca agaacacata ggaaccgaaa gagcattcaa 180
gagaataact tacaagagac ggggtattac aattatatag atggcacaag agtaactact 240
tgggacaact taacgcactt agtaccaacg acaatctgaa gaaccatgac aaactatata 300
ctgctagatc cccctcagct acgaaagcca tactagctgg aatacgact taagacacga 360
cccacaaggt ttatccatat gcccatgtta ccacacagaa atcgaagcaa gctcaaatac 420
attatccctt cccgaatata cgacatcaac taaatgtctg ctctccctga taacc 475

<210> 34104

<211> 290

<212> DNA

<213> Glycine max

<400> 34104

gaactcagaa tactacgctt gatgataaag tgagatttac gtgtatgtgg gttactactc 60
aagatccaac ggggtgcacac tctataatcc acatcgtaga aagaccgtcc taagtcgcga 120
cctggaactc gacgaagacg attggttgga tcggaatgtt caagacgact cgtatgattt 180
cctcccttac tttgaacaac atgatgacat tgaacaacct atcctatagg aacatattac 240
actaccttcc tcaccatacc aacgctctat gaaacaattc cacgtgagag 290

<210> 34105

<211> 336

<212> DNA

<213> Glycine max

<400> 34105

tttcatgcaa gcttatcaaa actgaatata atggctccta ggctcaagaa tcttatactc 60
ttagactgtg agtcttgcta actaggaaaa catgttacgt catcatttcc tcaaactgta 120
caaagatgta actttgcttt gtctaccatt cagcttgata tttggggacc aagtatgggt 180
acatcttttg gttttcggtta ttttgtaacc ttcattgatg aattttccag atgtacttgc 240

ggttatttaa tgaaagacag atctgaacct ttacatatat tcatgtcgct ctctaagag 300
attgagaatc aatctggcag atcaattaag attttc 336

<210> 34106
<211> 418
<212> DNA
<213> Glycine max

<400> 34106

tgggggtaaa acttgatttg tatagctaga agtgggttatg acacaagact tgtaacttgt 60
gagaagtaag tggaacttgg tagtttgcca agaattggat gtaatcttag tggtagagac 120
gaaatttgta gtttgtgaac cctaactctcc caatttcaat taaattttgt ttatttagcc 180
agttgaattg ttgtgttgca ttacttctta tttgggattg atcactccaa aaacctaatt 240
cattaatgta tgtttggatt aaagtttgca aaagtgtctt aagtcttact tctctataac 300
tgagttctta cgccaaattt tactatcaca catatctttt tgggcaacca aacatgaccc 360
taaactgatt ttactctaca cacactctgg gaacactccc attggaaatc caaacata 418

<210> 34107
<211> 379
<212> DNA
<213> Glycine max

<400> 34107

ctgcagcttt gatgggtttt aaaaatccat gtttgtcatc atcaaaaaag gggagaatgt 60
gaatgtatgt ttacatgatc ttgatgatgt caaagaagaa tctatcaaga ctgcttcaaa 120
tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacaaag ccttggttcaa 180
gattcactaa agaccaagcc ttgccttaaa acaatgtgct ttcaagacat gcaaagctct 240
ggtaatcgat taccaggaag tgtactcgat taccagatga cagggttgag aaatagctgc 300
tgaacaaggc tctgaacttg aattctcgac atgtaatcga atatcgatg tctgtaatcg 360
attaccaaca acgaaactt 379

<210> 34108
<211> 441
<212> DNA
<213> Glycine max

<400> 34108

tgtaatagtt tgtctgtgca ataatatcaa gttctttttt ggatctttcc tccttttccc 60
ccaatttttt ctctgaaata ctgtaagtat gaatctcact atgtctggct aatccttttg 120
aaggcacccct caagggacct tagttatctc tatttggaat atgcgaatat gatttagaac 180
ccagttgttg taaatagtgt ttttttttct acttattctt ttcttttgct tgtttttcga 240
aaacctggga tttttaagcc tgcaaagggt tgcccttgat agctgttttt tatgaaagtc 300
ctttttgggt agggcgggtgc ttggaggaaa ataagatcaa gtaagacca aagaagtgtg 360
ggcagttctc gatcttcagt actcagctta atatccacaa aatcgataag gacctgtgta 420
aaaaaaaaaa aaagagtctg g 441

<210> 34109

<211> 358

<212> DNA

<213> Glycine max

<400> 34109

agctttactt ccactatttt aattcttatt gcaggattct ttccctacca tgctattaat 60
tgattgcctt tatctattct ttttaattaa ttcttacctc tgaattgaac cttacttttt 120
tgcttgctcg gaacatttta taccaatctg ccttgcgta ctgctttacg actttaccat 180
taagacgggt gatattaaat taaaaaaagg acatatatat tatcaacatc ataattctta 240
tatgtactga acaaaatctc aacaatttta gacattatga ccgacctgca agagagggac 300
taaagagtat gtcgatgctg atgtgaaaat attttgattc ttgcaagcag ctgacacg 358

<210> 34110

<211> 450

<212> DNA

<213> Glycine max

<400> 34110

tactatagct atattgagtt attataactc caaatatatc atgtacattg tatagagtcc 60
ataggagtgt aaagcaaaca aaggcggcta tatcccaagt taagaaatga tatacgaact 120
ataggtgtta atagataatt gctataatag gaaaatgata taggatttgg atggattgaa 180
tagtgtacca cttagtccag tgtgtttaag gatgattgtg attgaattat ttttggaac 240

<223> unsure at all n locations
 <400> 34115

agctttcttc ttgcatgaa acaaaaaacc acagaaaggt agtaaagat gcacatacaa 60
 catcaaaacc gaacaaaaaa aggttgaacc ttttgtacta atcataaaaa atcataaaaa 120
 atgaacaaag attgaagctt tattgttgcg atgaaacaaa aaaccacaga aaggtagtaa 180
 atgatacaca tgcaacatca aaaccgaaca aaaaaagggt aaaccttttg tactaatcat 240
 aaaaaatgaa caaaggttga agctttcttg ttgcatgaa tcaaaaaacc aaaaaagggt 300
 agtaaataat gcanatgcaa catcaaaacc caacatagcc cgagcaaaat ggtacataac 360
 aacaaacca 369

<210> 34116
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 34116
 ctgtactcaa tgaagtttat tcttactgtg acgagtttca tactttatat actgtttgtc 60
 tcttcccttg tagtttccat agcagcagac acatcatcca tttcacaatc ccaatccctc 120
 agttctggaa gaaccatagt ttctcaaatt ggagtctttg aacttggatt cttcaatctt 180
 ggaaatccaa acaaaagtta cctcgggatt tggttcaaga atattccgtc tcaaaacatt 240
 gtttgggttg caaacggtgg caaccaata aatgattcct ttgccctctt gagcctaaac 300
 agttctggcc atttggctct tacacacaac aacactgttg tttgggtccac aagttctcta 360
 agagaaacac agaattccagt ggcaaagctc ttggattctg cgaatcttct gataagggat 420
 g 421

<210> 34117
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34117

agcttataag aataactcaat aaacaactta agagagaagt agaaatactt ggtctatatt 60
 agttcactca aatagagcta cgtccagctc tcctttacac aactataaag ggatccacta 120

atcaaaactt ccattacaac caggtattct atcctatcac tcttggctat aaaagtattc 180
tctatgtcac tcttgacaca cccttagact cccctgaat ctaagaacac tcaagtatgg 240
tttaacactg agccactttt gattttctca aacaaaagtt tgaatgaata caatgattca 300
acaacactca aagagtggat aaatagttaa actcanatgc aaataactnt gcttagcaaa 360
tgatgaanag attaagtgtt gagtatatcg tccact 396

<210> 34118
<211> 402
<212> DNA
<213> Glycine max

<400> 34118

tcatccgtgg gtcaaaaatc atagcaattg aaagaatgac attatagtca cttcaatact 60
tgctaaactt ttccatcatc aacactgaca tattttgcaa tactggatca tcacacttaa 120
gtgtttctcg caacaaccat tcaattttcc atacttgcac gaagtattca ttgggcttgt 180
ctatttgtct taagtttagg ctacgaaatt ggaatttgtc tattattgaa tttggttgct 240
aacttgctac aaaataaaaa ctgaactacc taacaattat aaataattat aaatttataa 300
taataataaa ataaaataat atattattta aatattgtgg gttgacgggc tggcccatca 360
acccacgggt tgagcccacc taaccacggg gctaagtggg cc 402

<210> 34119
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34119

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atgatgtaga agaaaatgaa tgtgagcctt tgtccncatc gaaagacttg taaaaaaat 120
gctttaacaa tacttttaac caatatttga atcctttttc cttatttagta tatatgcggg 180
gggtagaggg tgtcacatat aagactgtaa acattgaagt cctttgaaac atanagcata 240
agatatcgca gtcttttgaa acataaaaca aaggacattg agtcctatga taaaacacag 300
gacgttgagt cctatgaatc atgcactcgc attttggaat tttgtctata atgagaa 357

<210> 34120
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34120

tatg'gcgata tttccttaca tacgttctct tgcacattac atttaaccga aaaagtgcac 60
 ccatatacaa tcaaggcagc ttcattacct agattattta cacgtactgc caagggtgat 120
 ttgttactta catcacacac atctccttgg ctgaatttgc atacatgcat actcaaagca 180
 ttttggggta ccaaaaattg cacatgtgca catcttggtta tttctaatac ctatatatac 240
 acaaacttca tgatgaatct tgactatctt cacaaaaagg tgctacactt catccctttt 300
 ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct ttgcggacta 360
 aaattgtatt caaattaaaa ggtatatttt ttgtaatatg ttttcttcac ataacatgca 420
 acatatttat atata 435

<210> 34121
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34121

agctttattc aagacaaaga aattaaagat attcaagatg gatgatcaag acagtcttta 60
 gagtcttaga aagggtatat taaataggaa gggaattcca attgaagtag caaaaggttt 120
 ggccaagaaa tttaagttaa aaagtctttt acaagaaatt tactctctgg taatcgatta 180
 ccagaggatg taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaatttg 240
 aattcaaaat ttgccctgtg taatcgatta cacatatatg gtaatcgatt accagcagtt 300
 tctgaacgtt ttaattcaaa ttctatagat tgtaatcgat tacacatata ctgtaatcga 360
 ttaccagact agattttcan anaatattct caa 393

<210> 34122
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34122

tgggtggagtt cactgagaat catggaatgt tcgggttggg ttacgagcct acatatgccg 60
 acaagaagat ggttacctta gaaaggaagg agagaagcct ggcccatcta caagggcgag 120
 gactacaagt ggaaagggtc cccatttgtc acatcaacga aagctttgtc agtgcaggat 180
 ggatgcgtga ggattagggt gcagtgatag atgaagaaac ccctcaagac cgaccaaatt 240
 ggggtgcagcc atgtcctcca aactttgaat tggggaattg aaaaattgtc aaacgaccca 300
 agatttgcat gacaaattca atgtaatcca atagttccaa ccctattgtt gggcctaggc 360
 tntgggggtct gctcttttgt tagatccgat gttgagtcct gtaagagtaa caatatcgag 420
 gactcggacg t 431

<210> 34123
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34123

agcttttatg ggatcaagga gtctatcatg tgttcaacaa gatggacgag gactccaagc 60
 ataccttaat agttaaggt ttagtagtcg ctaaacaaca aaagttaga aaaaccaact 120
 taaaggctat gaagggtggc ttggaaaaaa ctttgaagga ggctctagaa gtggatgtgc 180
 acgccatcaa caagccaaac aaaagagatt cgccaagtcc attcctattg aaggccttgg 240
 tctggatagc tttggcatgg caagaaaaat taagaagatc aatgttgggt agaaaaagaa 300
 gaagacaacc agancacaat cctaaaggga tgaagagaaa atgtgatttt gccaaaggaac 360
 a 361

<210> 34124
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34124

tctatagaag gtccgttcct aattttctcta caattgcac acctctcaat gagctggtga 60
 agaagaatat ggcatttacc tggggtgaaa aacaagagca agcctttgct tttctcaaag 120
 aaaagcttac taaggcacct attctagctc ttctgaatt ttctaaaact tttgagctag 180

aatgtgatgc ctctggtgtg ggagttggag ctgtattggtt acaaggtggg caccctattg 240
 ottatttttag tgaaaaactt catagtgcc aacctcaacta cccacactat gataaagagc 300
 tctatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatntg 360
 tcattcatag tgatcatcaa tactttaagt acattagagg gaaaatc 407

<210> 34125
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34125

agcttcaggc tgctcaattg ctccaggttg ctgcatggaa gggcaaaggc ctgtatggtg 60
 gtcagcagag gagcacaaac cacaaccct tgcaacaggc acagatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagtttgct tcaagcttct tagcttcaca 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggcgctaaac tgctgggagt tggaggccat cttttcaatt aaatttttgg cttcagcagg 300
 agtcatgtct tcaagggctc caccactggc agcatctatc atacttctct ccatattact 360
 gagtccttca taaaaatatt gg 382

<210> 34126
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 34126

ttgctaattt agttgtctct ggcgaaatta tcgaagtggg tctgagaaga ggcaaatttg 60
 attatcctgc tttgatgaat gggagcctg cggaaaatgg agagagtaag aatgagggag 120
 gaacccatgt tgtgactacc atgcctacat ggaaaaattc ctcaccagct caacaatata 180
 aatactcagc caatatcagc ccttctcatt acctaccacc ctatcagcca aggacaccca 240
 atcattcaca aaggccaccc ctaaatacagc cacatagtct gcctgctgca catcaaatac 300
 caaacaccac ccttaacaca aaccataaca ccaaccaggg aaggaatttt ccagcacaga 360
 agcctgtaga attcacctca atcctggtgt cgtatgctaa cttactccca tatctactca 420
 at 422

<210> 34127
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 34127

agcttctggg agcacaaatg gattggggaa aagccactaa aacaactttt tcccatatcg 60
 catctgataa atgatggaca ggaggacatt attgtaaaca aggcaacttc acatgggatt 120
 gcgagtgcaa gcgacgggtgc aacctaattg tctcgaaaca gcagcttcta caaagctaac 180
 tctcaagatg acggttgccc tcattatgtc gagcggattt gcgtgaccct attaatggat 240
 ctagaata 248

<210> 34128
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 34128

taaggtttaa tcaactgtatg aatgagtgat aataccttca gctgctaaga ggtcaatcag 60
 aacgactgcg cagcatgtgc gcagtactca ctgagtcaag aacgggggag gagaggaaca 120
 actaagccag tctccttttt ggggctgtac tcaactacgat cgactttgac cgggaatagc 180
 aggtgacact caaaccacac tcgttactcg tgcacgcctc actttgcagg tgagattacc 240
 aaaatctccc tgtgcttgaa g 261

<210> 34129
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34129

aagaaaacaa aagaaaaaaa agnncccggg caaagnncag aagaaaacaa agggaanaag 60
 aaaatccctg ancaaagaac ggaagaaaan gaaagaanna tgnagaangg gcttcggacc 120
 agacaaatat ccaaacaata caaaatagcc ataaccaaat aaggaaataa aggaaaccac 180
 gacttgaagt agtcctctcc ctttggttac caaccaaatt cctatgcgct aatgactttc 240

ttgccccgca ctaaacaaaa acagaaaaag gaaagccaaa acactt

286

<210> 34130
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34130

nnnnntttttt nnnnnnnnnn nnnaaccagc aagaccaga agaaacacag cacgccacac 60
agacaacacc ccnnnnnnnn nnnnnntnnn tntnnnnnng nnatgggcct ctccggttnc 120
nnnnnggggt tttttttttn nnnnnggagc cnnccaccc cgcnnncccc nnancccaaa 180
cctccaancc cagcannaaa cacanggcac cctnnaaggc aaagcnnctt gagggcaaca 240
cacttatcag caatgcactc aatctccgca tccccaacgg ttccaatccc acaaagagcc 300
aacctctcca aattcctgca actggagcga atcgccgcta ggctcgaaaa agtgggaaaa 360
acaccaatca acacgagctc ctgcaaataa aacagtgtta ggcntcgcat gcaacccatc 420
atcaccaaac ccataaaccc ccacccatca atgtgaacct tcctcaacaa cccacaccta 480
tcagcaaccg acaaaaactcc c 501

<210> 34131
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34131

nnnnaagnnn nnnnnttcta ctaacgatca gctncncenn nnaangaaat nctccncccc 60
ccnaaccctc ccccccccc ccttaaaaaa taaaaacccc ccaaggataa taaccccncc 120
ggcgggggna aaaacaaccc cnnnnnnnnn nnnnnnnnnn naaaannnaa aaaaannaaa 180
aaaaaannna aaaaaaaaac cccaaaaaaa acaccaaaaa aacaaaaaaa acanacaaaa 240
aaaacaaaaa aacaaaacaa aaacaaaaaa aaaaaaaaaa aacaaaaaac aaaacacaca 300
aaaaaacaaa aaaaaacaac caccaaaaaa aaaaaaaaaa aaanacaaa aaaacncaaa 360
aaaaaaaac aaacacaaaa aaaaaaaaca accaaaaaan aaaaaaaaaa aan 413

<210> 34132

<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34132

gaaatcatta actctattag tcaaataattg tcacaaattg atcccttttg cgtgcattta 60
gtcattatat tatatactta aaaattgtta agtaaaaaca aattattatt ctaaaaaata 120
tacttttacg aaaagaaata tttgttaa attttagacct gattaatcca acccaaccca 180
tttatgattg ggttgcgttg ggtatgaaaa aaattataca aacccacta nggatggc 238

<210> 34133
<211> 267
<212> DNA
<213> Glycine max

<400> 34133

atgtttcctt aataaagtct acaagtttca acaatacatt tatggattga aagaagtgtc 60
tagaatttgg agcattcatt ttaacaagat aatttgaatg gttaatcttg ttagctatga 120
agaagaactt tgtgagtaaa aaaagggttac tgggagcatt acatttatat gtagatgaca 180
tataaaataa tacacaatat tatgaaaaaa gaattgacta ctaatatatt atcaatgaaa 240
tatttaagag aaacaatatt taaaaat 267

<210> 34134
<211> 349
<212> DNA
<213> Glycine max

<400> 34134

agctttgagt aaattgaaat gacaagaact ttctacacgg atgtccgggt gagtcccgt 60
atatatcgag atgtcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120
tttatacacg gatgtccggt tgagtctgt aatatatcga gacgctgtaa attgaaagcg 180
gaagctcgta ggaaattcaa acgacaataa ctttttactc cgatgttcga ttgaatcccg 240
taatatatcc agacgtcaa aattgagact acaagctctg agcaaattgc aatgacaata 300
actctataca ccgatgcccg gttgagtccc gtaatatatc gagaccctc 349

<210> 34135
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34135

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agctttcgat aaattcaaat ggtcataact ttctactcgc atgtccgatt caggcgcata 60
acttatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggccataa 120
cttttctactc gcatgtccga ttcaggcgca taacttatcg agacgctcga aatttaacaa 180
cagaagctct cgagaaattc aaatgggtcat aactttttcac tcgcatatct aattcagcgc 240
atagcatatc gagacgctag aaatttaaca acggaagctc tcgagaaatt caaatgggtca 300
taactttttca ctgcgatgtg cgattcaggc gcatagcgta tcgagacgct agaaatctaa 360
taacggaagc tctcgagaaa ttcaaattgt cataactttt cactc 405
```

<210> 34136
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34136

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ntntggagta gaaacatggg acgaactcat ttattttctt attggaagtc gtatctagtc 60
aaggtctgag agaccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
gccatcgct tggccttggc taacaatcgg ggaagttctt gactcccggt caaggtaaga 240
gcaaaccgat ccattccacat ggttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctcttttt ccgcgtatac ttgggcatat tcgtccgcaa tcctatgctc gtggggccgcg 360
gctagaccta actcttcttg gtacttggcg atgatagcta gcatgttggg ctccgtctcg 420
cataaacgct gagacaagct tc 442
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<210> 34137
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34137

agcttgtgaa cttaatatata aaaaatagac agcttcagtt ttgaaacatg caaattatta 60
 ttctcttttt ctatcataat ttacatata ttttcttttg ttgtttttct ccctttat 120
 ttgtcttctt attagcattg tgttgcgagt atgtttaact tgagggtaaa tctaaacacg 180
 ctcatgttaa aactttgaga aaacaaataa atttagttaa gtcaatttga gtatttggtt 240
 ttttggttaa attattttta atgtgctaaa ataatgtttg ttataccaat ttttggtttt 300
 taaaattttt attttgaaca aaataactaa cagggttaat ataaattcag ctataaataa 360
 tttttgtgtc atgcagaaga gatgttttga t 391

<210> 34138
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34138

ttctagacag atatgtacca gctgcttctg taattaattt tgcctaaatt atgttttgaa 60
 ggtccaatag cctaaaagaa tggtagaaca atgatagtat cgaactcaag aaatctgtga 120
 aaatccaaat tgaataaaaa gacaggcaaa acgagtattc atgtgtttgc catgaatcaa 180
 acataatgag gttccaacaa tttttaatca aatttttaatt ttaattttta ttatccttat 240
 gctagaaagt ttaacttttt ttatttat 300
 gtgtaagaaa ctaagaactt aagtgaacaa gtatcatgaa cacttctaatt tgcttttacc 360
 agagatctca tagcatttac aaaatcaggt ttttcttcta aaggatcaac agacagaaca 420
 agtcttccca gtgtg 435

<210> 34139
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34139

agctttatgt aatgtggtac catgtcagtg aaaaacctcg gcggggcgct aggagtacat 60
 gacaagacaa gccacacaat agtaagtcaa gtcactctca ctaggtaata tcatagggag 120
 accagtcagg gtcacagtgt tttgcgagaa ttttccaacc atatgagatc aacataggct 180
 taaaggagca ctcaaaccgt gtgaccccca aggctacac tccgaacagt ccgtcagggc 240

ctctccctcc tgattcacgt ccaaccaaga aaatatttta gcacacagac tctatctatg 300
aactgtacaa aacacatgac ttctcaattg ttctcaaaat aaatctaact cgccgtcctt 360
taacgggtctt atcattaact cgtccgcctt a 391

<210> 34140
<211> 435
<212> DNA
<213> Glycine max

<400> 34140

tgtgatatct ttactatata tgtgtgtgtc ttcgtttatc tctacctgtt taaaaatgtg 60
ataattcact cctcatgtgt tgtttatgtt tggatcatgt gatgatctta aaccttgtgt 120
ttgtgagagc aaatgactag gtgaattact ttaagaaacc ttgtgatgga ggactctgag 180
acacaatatt ttgataggat gtaacattgg aacaagagtt tttattttta ttgcatgacg 240
tatcaaacat gtcattttac tttatttgat aaacttgaac agtcttggtt taagtcataa 300
atatttctaa gaaattttat ttggttacia gtgaagcgaa tgtgaacatt acccacgtgg 360
actgatttac gattttattg aataaaattg atttaattag atctcgcat tttatatatg 420
ctttctcatt tatat 435

<210> 34141
<211> 306
<212> DNA
<213> Glycine max

<400> 34141

agcttctttt atcttgtgtc atgggcatat tgagacatgc gtgcgggtcca cccattgag 60
cgactttcca tgaatcaatt tctctacata gaattgtctt catatacaaa gggcaacgaa 120
aatctgcatt tctattcacg caacaaacga catacttgtc ccattttctt tcaaccactt 180
tgaaactttc atgcaccttc ataacatatt gctcgactgc attcttgacc gcacttttac 240
tatcaaaatc catgtcaaca tataattctc tgccaacatt aaaactggat cgcctttcca 300
aaccac 306

<210> 34142
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34142

tatacaatac tcatgcttga actcattaga caaaatctat atactagtng gggattcggt 60
 gggtttggtt ctgctgggtat gaccctagct tgtctgataa aaaatgaacc attagtttac 120
 acattatgag aatacattaa tataccatac atcatattat taaagagtgt cctacaatac 180
 cttaatagtg acaagttcaa gcctttcacc cacaatgggt tagtaccctc cacaacatct 240
 ttcaaaaaaa aaaattcttc cacaatctcc aatattgttt tgactagcag atgataatat 300
 caatgatttc agacttaatt angagtttta ttanggtaag ccaaattaca tttctcaacc 360
 atgatttgct ctttagggat tcgattgata tggctactac gtgtttttac aattaatgtt 420
 caatcttact aggatgcaca acacat 446

<210> 34143

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34143

tttctttatt ttgggaagaa aacagggatg ggggtaatgc atgaagatat tgattttact 60
 atcaaacatt tagtccttcg agatacgtcc tgagagcttg aataaattac agcccaaaaa 120
 tcaaccaag tgcgatgcat tttgctcttt agttaatcat ccaatgtgtc aatatgatcc 180
 acaattagtg ggtaaagctt atacacaact cataccaaca taaggaaatgt tatgcacatt 240
 gacgaccaga ggaataaaaa gttgaagtca gagaacacaa ttccttttng tcctctatat 300
 cctttcacaa cactaccoga aatggacatg acaacattag acattcctca aaatcatatt 360
 ga 362

<210> 34144

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34144

tgtcgttggc ttttatttga cacggtgcgt agaattactt ggtttgttgc actttcagtg 60

tatcgagtct aataattacc agttgaacaa atcttatgtg tacacacttt taatataaaa 120
aacaataaac aatcgtacaa tatgattgta attgtgacat ttcaaaaaca caatagttaa 180
tggatacttc acaccaacac tatggtgacc aacaatatgg tgacgtaaaa aaaatagtaa 240
atthtgagaa atatgtgtag tgthttatgaa tatatgtgag aaggaactgt tactatcaag 300
tntcttaaaa gttatcccca tgthtctaaaa ctgtcttggt tctgtgaagtt aattacctcc 360
atatagttaa catgacatgt taatthtttca catctgcaaa tatcttagat gctt 414

<210> 34145
<211> 262
<212> DNA
<213> Glycine max

<400> 34145

ttctthtttaa ttctgaattaa aacgttcagg acgtgctggt aatcgattag cacatatgtg 60
taatcgatta tcacatgcaa atthttgaatt cacacctcaa tagctgttgt aaatcactct 120
cggctcctgg gaatccatta catctctcgg ttatcgatca ccacacagta cacctcctga 180
acaagacttt ataacctaaa thttcttcacc aaacctthtcg ctacttcaat aggaacctcc 240
thcttatctg aatatactct tc 262

<210> 34146
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34146

agtctatagt gggagagcga actaatttca tatctataac acttcatgaa gacctcattc 60
tattatagag ccatacgcat gaaatattta ttatgcaatc actaaagaag atagatgact 120
attatcaaca cactattaaa caaaaataat cthtaaaaca taatgtgaca gccgtthtca 180
ctthattthta agntaatctt caacataaca aatacacaat tgtagaactc aactaccgat 240
tctgacctaa ctccacctta tactatatag gattatacaa atccttaata aaa 293

<210> 34147
<211> 298
<212> DNA

<213> Glycine max

<400> 34147

tgcttataact aaattcgact acaactcggg acgctattta agctaactct actcctacaa 60
cagggatatg aggatgaagc ttagtttaca gtcaccctaa acctatgagg gctgtctaaa 120
ttgagcctac tccaacaaga tggatctgag gacaaagctt gaattgattc aatctaactg 180
cggatcgagg cttaactaact tacgccacaa cataaaacac aaaaacatga ttgatcgggtg 240
tgctttccgg tcaaccggat ttcccttgaa tactttttta taaagaacaa agcggaca 298

<210> 34148

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34148

tggaattgca tttgggcacc tattctgaat ctcttatgtt gcacctacat ataagaaaca 60
gtcccactct cccaatttta caaaatcata ttcatacatc attggggcat ttcactgagc 120
acttggcgag cgcattgttc gacataaatt gcaagaggat ggggacaatg tggcatgccc 180
cattgcttna gaatacagca tacgcctaag gccttctcat tcaaactctc aattcaagaa 240
aacaagcata aaaacaaacc aaaactgccc cacaaatata agcacattct ctcaatttgg 300
agcaccaaaa gatgaagaaa atataccaat gggaagctaa aaacatcaag gattgaatac 360
ttacttgtgg gagtgaacaa taacacc 387

<210> 34149

<211> 381

<212> DNA

<213> Glycine max

<400> 34149

ttcttgtgat atatccact gatttttatt tatgcgttta tagcaatata gcgtataccg 60
aattacgttg gatgtattga aactttgaaa ttgacaaaat catcaaaata ctgataatat 120
aatcttataa gaattatata tgtacgaaaa ttttcagcct ttttttcttt taaattttat 180
aatcacagcg atatatcaat aaatcttact gatctatgta ttgtaattga gttacgtaat 240
gaaaattttc tcttcctttc ttatgtaacc agtaaatgtt gctctggtca catgtcgtca 300

ttaattaatg gcagttatac ttattaatat ttgaacacaa tactattaga tctataaaat 360
tatcattctt atcacatata t 381

<210> 34150
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34150

taaggtacga tgaatttcga ggtgcaagtc attcattctc ctccccaaac atactcatcc 60
cagtaactgg tagaattgta aaatatagaa gcttccgaac tccctgcact gtacctgcct 120
ctctgctccc tagaaaactt gaacagcgtg gtagcaccat gaactagttt cttcgaatag 180
gccttgttgt ccttgaaaac aatggaagca gatgccaagg cagcagccat ctgagctgca 240
agatcagaac aactatggca ttcagtcaca gggcgggtcat agtccatgtc ctctggggcg 300
atccagcaat agtgggtcatt cggactgtca ccaccggaag tatctccaag cccaacctgt 360
caaacaagca taaaaaacca tcattgagac acatcctact cgcgaccaca caacanaatt 420
ctagtccacc aacc 434

<210> 34151
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34151

ccccaccccc cccaccacac tccccgacc acaactctac acacacntcn nnnnnngggc 60
ggcggcgctg actcgtaaac cacggaatgc aaacgnacgn gcggaaccct acacncaatc 120
cgccggcacg caagcccctc attcaccatc cgccgcgccc accacaggca gcggaacaacg 180
gccgaagcac acaacacccn cacacctaca ccgcaacgcc ggacacaaac gggggcagcc 240
aaccggactg gccaccacca ccaacgcgcc aaagactccg cgctcaacca gccatcgcca 300
cacaccaccg cccccgacg cacacgagca tgactacca ccacaataca aacgtccgcc 360
acacaaacga acacatttca caagctcacc ccgcacaacg gtggcgctctc gcgaacgaac 420
cgacacaccc cccacccgat gacgcacgga cacctacacc cgaccacacac agaatacccg 480

caacaggccc cccaacacca acacggacaa agaacgagac ggatcgcccc gaacccacc 539

<210> 34152
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34152

tgacctaaaga accagctttt cgggttatat cagggatctt attgcaatga agaggaaata 60
cagcaacaaa aagggcacaa taatcagcat ttgggaaga atttgaatgc tgagccagtc 120
gtactagctg tccagtccca tgttggggaa gaagatgact acgacatgca gaccactct 180
caccttatat cggggcagag ttatcacagt attgggccag attgcaactt tggcccaaac 240
atcatgcagg aggggtgcaa taagcaggag gcttattctg tagctctttc ggacgagcat 300
caggatcact ctcaaatagc tgatgacaca aacaaatctt taggccaac ttcgaaactc 360
aaggggtgta ataaggagga attattagct gtagccana ccanaaaagg aactccagac 420
ttgtactcca aa 432

<210> 34153
<211> 384
<212> DNA
<213> Glycine max

<400> 34153

agctttatat agactttaga gcttcgatct gttgagagat ctcaggtagt cgttgtctaa 60
tagctttggc gcttaagacg aggccgctac tatgcagaga gagagtggga accacaaaca 120
ctttctacag catatcttta gagaagtaca atctgtcaat gttgtttagt gctcagagtt 180
gactttcaac gtacaaatca aaagaaacgt taacaacata agacaaaagg aattaataat 240
gtcaaggcaa gacaatttaa atcttccctt ttgcgcgtta tgactgaact tatggatggt 300
actttctgat gatcattctt agcactcgag gatcaagtga ctatttcatt gcttttgtac 360
tgcgagcctg aaaaaagatg atcg 384

<210> 34154
<211> 381
<212> DNA

<213> Glycine max

<400> 34154

tcagaaaaca atagaagata atgctacagc ggccgcttcc aatacagcta gggaagcgga 60
accggtgcta cagccctcaa taaacttggg ccgagataga aacacgacgg ttttcggtcg 120
gaggatatagt cctcaagcct acccttatgg tttgcctctg gacttcactc cccgtaccgc 180
tccagacgat ttgagccaag cccctacctt cgagggggcaa ctccctcctt atgtcaacta 240
tcctctgcaa caagatgatg aaggagatgc ccatctaggc cctctacttc ccctcaagga 300
tccggccccc catgaattgc cccaaccgaa catagttcgc catgtcccggt ctccacctgc 360
accattataa gaattcggtc c 381

<210> 34155

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34155

agctttttct cacatcggtc gcgtctatga tatgcagtcg acaatgtttg aagtagagaa 60
gaccttcaat tctataacgc aacgtggcag acaaaagtgg gcagttaact tgaatggcca 120
ttattatcaa tgcggaaagt attctgcgct tcactatcca tgttcacaca ttattgcagc 180
ttgtggttac atgagcatga actactacca atatataaat gttgtttaca caaatgaaca 240
catcttanaa gcttactccg cacaatgggtg gcctcttggg aatgaagcga caattcctcc 300
ttctgatgac gcatggacac ttatccctga cccaactaca attcgtgcaa aagggtcggc 360
aaaatcaaca aggataaaga atgagatgga t 391

<210> 34156

<211> 453

<212> DNA

<213> Glycine max

<400> 34156

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aaaaaaaaat aggtgatttg tggtttcttt atgacaacta caaagaggac aacaagagac 120
aataacataa ccacatttgc ttagattttc gtcagaaggg tttttttgtg aagaattctc 180

tagactaaga aagatctaaa tggagggatt gatgctaact aggtatgctt tgctaaagaa 240
 tcctgactag gtttcaatct gatagcatta tcggctttct tgatggataa aataccattt 300
 tcagaaggct tccacactga aatgtcagtc ttaatgaaag atgcaaggct aatgctacta 360
 actaattctc ttaaattagt atttttgaga tacaaaatat caggggtggac caatattgac 420
 ccacagtaaa atcctgcaca aaagaaaaga gca 453

<210> 34157
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34157

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 gatatgttac ggggctcaat cagacattca agtaaaaatt taatgtcggt tgaattttct 180
 cagagattca acattcaatt tcgagcgtct cgatatgtta cgggactcaa tcagacatct 240
 gagaaaaacg ttattgtcgt ttgaattagc tcagacgttc aacattcaat ttcgagcgtc 300
 tcgatatatt acgggactca atcacacatc cgagaaacaa gttatggctg tttgcattgg 360
 ctcagagctt caacattnaa ttttgagcgt ctcgatat 398

<210> 34158
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34158

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 atcgagacgc tcgacattga acgttgaagc tctgagccaa tagaaacgac cataactttt 120
 ttctcagatg tctgattgag tcccgtaca tatcgagacg ctcgaaattg aatgttgaat 180
 ctctgagaaa attcaaacga cattaaattt ttactcgaat gtctgattga gccccgtaac 240
 atatcgagac actcgaaatt gaatgttgaa cctctgagca aattcaaacg acaataactt 300
 ttttctcgga tgtctgattg agtcccgtaa catatcgaga cgctcgaaat tgaacgttga 360

agctctgagc caatacaaac gaccataact ntttactcgg atgtctgatt gaggtctgta 420
atatacttag acgctcgaaa ttga 444

<210> 34159
<211> 365
<212> DNA
<213> Glycine max

<400> 34159

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tctgctcttc aaattgttca tatgtaacta ttttttaatt actcttttct ttttattaat 120
ttttgggcta tttatttcat aatattataa tatttacttt aacaacacta ttttaattagt 180
ccttaattaa atatgttttt gcctacaaaa caagaataga attcacataa aacagctata 240
caatatgttc attattttat atttaccaac tatttcaata attctacaaa acgctcttaa 300
tttaataagc aagcttataa acttttagct cttagctggg agcttataaa ctttaaagca 360
tctta 365

<210> 34160
<211> 438
<212> DNA
<213> Glycine max

<400> 34160

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ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttgttgt aactttgatg aatgaaagtc 180
ttatgagaca cacttcaaag ttccacttct ctccctcttt tattccttta atttaatgat 240
accccttct ttttttcttt tcctccatta aagcatcctc ttcaagcttc ttatccaagg 300
cacattcttg gcggtgaagc tccttcttcc atggcttatt ccatagtgga tgggtgtagaa 360
gcaagcttca ttgcttcata atgatgaatc aagattgatt caaggtgttt tgatgataac 420
aaagatgatg acaaaaaat 438

<210> 34161
<211> 342

<212> DNA
<213> Glycine max

<400> 34161

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agctttcttt ggtctggaac acatgaccat atgatctgaa tcctttatca ctttcacctc 60
agcatatgga ccagtgcctt caactaccca cctctgaaag tcctctgtgt gcaaattatc 120
tttttcaactg atgatgggag gtcaaggcct caccagacag aaagcaagtg tcaattcctt 180
cacagtacgt aatcgaactt gacttcatta atgacgaaat tacattcttt ttatcatggg 240
gaacattaca tagcacatac aaaagataaa aagctcacta aaaataaatc aagctcatgt 300
caataaacta aaaaataatc aatcaactgc ttatatatga tc 342
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<210> 34162
<211> 430
<212> DNA
<213> Glycine max

<400> 34162

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tgtctccggt tgtaaaaaaa aggagggatt tttttcatca attttaattg gtagcaataa 120
gtaataaaga atttaaattt cccaccttg tggctgtgga ctgtggtgac aagtttggtg 180
tttaatttta atttcttcgg ctataaattt tgaactgata agtgatatgg ttatatccgg 240
aacatgaaca ctggcaacgg cataaacaaa gagatttgct aaactcaggt ttgtgcttga 300
ttgaattttg ctatacgctt tccttctgag actatgttac taagagtaac gactaacgtg 360
acccaattaa gaatagaaga agggatatgaa gctattgatt ttcaactcga tctoctaatt 420
aacaagacct 430
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<210> 34163
<211> 271
<212> DNA
<213> Glycine max

<400> 34163

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ctcttagcga gtatgggggg ctgagcaggg caccagcatg ctcaccgaga cacacgaatc 60
tggaacagaa tctgccttgc aagcacgcgc tcaccgcgtg gccgctcgct aagcgagtca 120
tccgtcatct tccaagctaa ccgcgagact ggcgtagagt cacacgtcac taatgcgcgc 180
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taaccctcac atcgggtgctc aacgagaggg ccccgacagg atttccatat aacacctgac 240
atcaagaatt ggcagacgtg cggacccaca c 271

<210> 34164
<211> 435
<212> DNA
<213> Glycine max

<400> 34164

gactgtatat tgatttcttt agtatgttct ctttgtgtcc atttccttca actgagaacc 60
ccattgggtg gtccatacaa acattcttct ctaaattctt attcagaaag ggggttttca 120
catttatttg atgtagctcc aagtcataac gggctactaa tgccatgata atcctgaaag 180
aatcctttcg agaccagtaa aatgtctctc tataatgaat gtcataattc tgagtaaatt 240
ccttagcaac aagtctagcc ttgtaacgtt caaggctgcc atgagagtca cgtttagtct 300
tgaagacca cttacaacca actctcttac aacccttgg taattctaca aggttgcaaa 360
caccattatg ttccatggaa tctatctctt ctctcatggc attcaaccac ttctcagagc 420
tatcacaact tacac 435

<210> 34165
<211> 371
<212> DNA
<213> Glycine max

<400> 34165

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ataattgtga tcaagtttct catcaggaat ctgttttagt tcgtctctct cttgtggatg 120
ttgtcgctcg cgcaccaaatt tactatcatt gcctaaaacy tgcccaaaaa attgttgtaa 180
actagtcgtt tcacacattg actacgaggg ttttgacgt ttctttatct gggtttgctg 240
cggcgcttgt tgcattctgg ctcttgata tttctttctt aaccttttct gcaatccctg 300
ggattatacc atcgattttt aatatataaa tatacaaaaa catgtcacat aacttcgaac 360
tggtcccac t 371

<210> 34166
<211> 436

<212> DNA
<213> Glycine max

<400> 34166

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acaatttgat atgaaaaatg aattggaaga cacaagtttc aaagtttgga gttataaagc 120
taatttgatt tgatgggttaa aagataaaaa aaaatgggtg attcaaactt ctctcactag 180
tgaaaatcaa caaattaaca actaatatta acctttaaaa aaaaaaccaa tgttccgagt 240
tttacttggg attgacttga ttaaaagggtg ggacgtccaa ttcagatgat aacctgccta 300
aaatttttaa tttatatgtc aaaagatcta attagagggg taggataggg attaccgagt 360
gatgacagat tatctttatg cagattttcg aagtatctgc aatttatata taatgaagaa 420
ttttcttggg atatta 436

<210> 34167
<211> 381
<212> DNA
<213> Glycine max

<400> 34167

ttctttcaag aggattggca aaggggatct tatccaaggc ctttatgtcc tagacctcaa 60
cgacactcat gattgaaaat ttactttttc tgctatcaat tcacatgcac attccactct 120
ttgtaacaat gctcatattt ggcattctag atccgggtcat ctatcaaaca aactttccaa 180
tcatttgaat aatacaattg gctcacactt ctcccctaatt ttctcttctt ctaattgttc 240
tgtttgcca cttgctaaac ttacaagatt attttttcct aactctaata atttatctga 300
tctaccttct gacttacttc actgtgatat atgggggtccc tatgcccacc ctacatactg 360
acggaacgag attcttcctt a 381

<210> 34168
<211> 418
<212> DNA
<213> Glycine max

<400> 34168

taataataaa aggtaaaatt tgcatttttaaa aaatttatta tcaaaatagt caaattaatt 60
tgttggatgt aaaatatacc aaaaaataac aagttaaagg ttaaaagtat gattaagcct 120

gatttaaata tgtacacatt tcaattccaa gggttgtgat tgttttttca aaaaaattca 180
 caaaaccata taattgaaac aaaatcttga aattgggttt gggacagttt tccctttttt 240
 cataggttca aacttttggg caattgaata ctatatctcc tatttttttt taaaaaaagt 300
 ttcaacctat cccttttate ttctttctct tttttccttc ttcttttttt tcttttttgt 360
 agtcaacctg ctctggttct tcttttcttg ctgtagcgaa agtctatact cctttttt 418

<210> 34169
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34169

tgcttttctt tatatgaata agaacaccga tcggactgag ctgctcacgt accgcttctc 60
 aagaaccatc tggcccacaa agcacggact ttttgcaaga agcacaacct cctaagatct 120
 agttagcgaa gaaccgcgta cctgtgcacg ccaattacaa gactattgca agtacgccat 180
 atacatcatc cactattttac tgatcatcga tcatncattg tgaagttaca tgatcacgac 240
 accacctacc ctcttcctct acacaaatgg atgccagctc acactacgat gggttgcta 300
 cgggctcgcc tcttttacta cgctcgatgc tgccacaa 338

<210> 34170
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34170

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 tacgaaaata ttgctaatta tcagcataac tgaaattgtc ctatgcagat ctgatcatca 120
 tgctggtgct ttctcatcta ttgggttcgt catctagcct attattttta tttattctgt 180
 ggcgattatc aaattatata tcttctaact tctaaacagt catgatggat tctacatatt 240
 gctaaantta tgttgccatg aacgtcttca aaaggccaaa ataatctctc ttctctgat 300
 gtaataaaaa tccccattct tctctccctc aactetaagc tctcattctc tgtcctacaa 360
 caaatttttc tatcttgttc aacatactgt atttcattct gacggatgcg gatttgcttg 420

gaac

424

<210> 34171
<211> 356
<212> DNA
<213> Glycine max

<400> 34171

tgctttcgat acaagtgatt gcgaaaaaac cgcgtcatcc cgcttgatat tttccaagta 60
gcccttgaaa aattagaaaa ggtggagaag attaggcatt cggcgccttc aaacctcaca 120
tggtcacgtc ctaatctctt tgtctgcttt tccatttgct tcatatttca atattacgtc 180
agtctcatct tttggtctgc catgtgttcc gtaaaaaata aaaaagaata agacaaatga 240
gaaaaaaaaa aattatttga aaaaagttga tgcgcggcat tatttttatt ttattttctg 300
agtaattaaa ttgcatgata tctctctaca tcgtatcttg ggcgacccaa tgggag 356

<210> 34172
<211> 442
<212> DNA
<213> Glycine max

<400> 34172

ctaagcttga ccttatagta aacaagtcaa gctgagttgt tcttttatag gtctacaagc 60
tgcttggccc taaatttttc aactgcatgt gatcctaaac aatataattt attgtcaaat 120
aaatcattaa acattataat ttaatgataa aatgatctca caaatttaat ggcaagacta 180
atattattgta gttttacata ttcatgaact aaatttgtct ttctcattat tttttaaaga 240
tcaatttggt ttatgagatg aatttaacta ttcttccttt aaaagaatga gagaaatctt 300
tttgatgaa accaaatacc actttatggt tcccacgtat tctcttccca tccatcatca 360
ttcttatatc actctcacac gaacagaacc tgccttagct aaacgggttc aatatcacc 420
acactctctc tctttgtcaa ca 442

<210> 34173
<211> 318
<212> DNA
<213> Glycine max

<400> 34173

tagcttggtg gagcacgatg ggagctgata tttgtgaagg cattcaggaa tttcatggca 60
gcgcattcatt gcctaaaggt atcacttcat catttactac tcttatccct aaatttgagc 120
aatcgtaaag cttgtcggag tatcacccta ttttactcat aggtggtcct cataggatca 180
tttcgaagac tctggcccat acaatgaacg cagtattacc tactattata tctccgcaac 240
aaatagcctt tttaccgga aggaaaatcc atgatggtgc ggctgttatc aacgagttgg 300
tggattcgcg aaaaacga 318

<210> 34174
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34174

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atatggatgg aattatgttc tgggtgatgg ccatgccaaa tgtttgccca ccttttatcc 120
gtaaaatttt gttatctttt attctatcgt atgagtacat ggaaatttat agaagttcgt 180
tggttcagtc cttttattaa attttatttt gctactcttg aacaaaatat atgtcattat 240
cactttggta caagatagcc aaaagatcct acctgaatt ggattggaaa ggcagagggga 300
actcttaagt tgtgtaataa tatggacagt atgttctttc ctaaaatata aaaatatatc 360
catacatatt gttcgtgcat aactgcatat aacataaata agaataatag ctnttanatc 420
gttactaaca tt 432

<210> 34175
<211> 358
<212> DNA
<213> Glycine max

<400> 34175

agcttattat tgttacggtt tcatttgtaa tggctggcta aacacctttg ttggggattt 60
ctaatgaaca actgatgtaa ttattttcat atctaattga tcttgtttct tgtgttcaat 120
gcttcttcag tgcttaagtt ttgtatgctc ttggtctgat caaccatttg tgtgcctagt 180
tacgtgattt taacattgcg aaatgtattg tctccttaca acttgaatga agcagaattg 240

<223> unsure at all n locations
 <400> 34178

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 cttctacctc aaatgggagt actgcctcca tcccataaac caaggaatac ggtggtgccc 120
 cagtagaagt tcgcaccgaa gttctgtacc cgtgtagggc gaaaggcagc atctcgtgcc 180
 aatctttgta tgacaccgtc atcttctgaa caatcttctt gatattctta ttcgcagcct 240
 ctacagcccc attcatcttt gaccgataag gggtagagtt atgatgctgg atcttgaagt 300
 cttcgcacat ctctgcatt atcttattgt tcagattggg gccattgtca gtaatgatct 360
 tcttgnnggag tccgtatcga caaatcagct ccttctttat gaatctaact accacattct 420
 ttgtgacatt agtataagaa gcg 443

<210> 34179
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34179

agcttgtagc tgaatactgt tccagctgca gcaggaaactc tttataaaga catttttagga 60
 ctttgtcctc atcctaaggt cctccacccc tccctcttag tctttttgca gtatgcaagc 120
 ttacctttgt agttgcttgt agccgtatat ctttagttga gacaaaagaa aaagaatggt 180
 tataaagaaa atgaatatct aataagcttt aatctgaagg atatagccaa atgggcagaa 240
 attgattatt cacagcatat tctagctagc atgattttta aatgggtatg attcataatc 300
 attcaaacac aatgtagata gaaccaacaa aagtgtttca cgatctgtga attntgtata 360
 cagccaacaa cagctgctag aaatctctgt ct 392

<210> 34180
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 34180

tgacttgctc aatataatag attaacagga agcatcccat tggaaattgg caggcttggg 60
 agaattgatc aattttctca atttatcatt taacaatttg gaaggaaaga ttccatctga 120

gtatatgtat gttgctcct atgaacattg ttatgaatgt tatgaagatg tataaatgaa 420
catgacgtgg attaagtgc 439

<210> 34183
<211> 99
<212> DNA
<213> Glycine max

<400> 34183
agctttgttt tgaatatctt agtaccctgc acgcataggt tcttcccatc tttggtctcc 60
atcgtcgaaa gcataccgct acttcgaatt ttagccgca 99

<210> 34184
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34184

ggtcattaga accaatgaac tcaactgacaa tctccttgga cagaaccttc tctcgaatga 60
aatgacaatc catctctata tgcttagtcc tttcatgaaa gactggggttc gaggcaatat 120
gaagagcatc tcgattatta caatacaact tcatttgcaa ctcttcacaa aacctcaatt 180
cttgacaaaa ttgtctaate cacatgagtt cacaagtaac tatacccatc gatcgatatt 240
cagctttctgc actaaaccga cctacaaccg tctgtttctt gcttctccaa gaaataagat 300
ctcctccaat gaagacacaa tagcctgatg caaacctnct atccatggga cagccagctc 360
aatcagcatc acaata 376

<210> 34185
<211> 432
<212> DNA
<213> Glycine max

<400> 34185
agctcgctccg ggatccttga gtcacctgag gcatgcaagc tttaactaat gtcttcacaa 60
ataatcatca cacagcagaa gactaacaaa accacccatc atatctccca aaaccccata 120
cccacgaaat ttaagacaga aagaagtcca cccaaacctg aattttcgaa gtcccactcg 180

tagccacgca cttcacgact ccgaaaatgc tctcctttcg cgatttggag cagaaatgat 240
 ggccaaaggt tgaagctttg cttggagctt caatggagaa tggaggagaa ggaaaaagcc 300
 acgtgaggaa gagggagaga gagagctgtt ctgaaattgg gctgagtga gagagagaca 360
 gagttgcttt ttttttgggt ctttaataaaa gggttttctc ttttctatta ttttattcaa 420
 gctctgcaca tg 432

<210> 34186
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 34186

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 tgggccaag atgcaagaga aggccctagg gttcttatga gccttatggg agatttcggg 120
 cccatgggct aagtatgagc ccacttatct ttgtaaata tagattaagg tttcattatt 180
 tttgggcctt gtatttaggg ctccataatg taggtagggt accctagaaa tataggattt 240
 ttcagccctt gtatttaagg gcacctagac tagtttttgt attacgggta gttttgtaat 300
 ttcacatgta ctaagtggat atttgatgtg tgtgggttga aataaattta attgaattgg 360
 tagaagccca atccaattaa attttagagg gggagggtgag catttgctta ctacacccca 420
 ttgccacatc atatagttac act 443

<210> 34187
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34187

tttcttgcca ccagggtcac ccaggctagc tcagctcgcc caggcgagct atgctgcttc 60
 accgccttct ggagaacttc ctggaaggcc caaatcggtc tagttgctat ttgcaccccc 120
 ttttttacta aatacacccc ttgccttttt ttgctgattc tttttccgta acgctacgga 180
 aacttacgaa ttacgtaacg atacttggtt ccttccctta atgttaacga accttacaga 240
 ttacgtaatc atccctcttt ttgccttcca gaatgttaca gaactttacg gattgtgcac 300
 taacactctc ttctaatttt cccgattcca cggaactcta cggatcgtgc tacaatgctc 360

tcttttgact tccgacatgt ctccgaactt c

391

<210> 34188
<211> 438
<212> DNA
<213> Glycine max

<400> 34188

gtgaacagtg ttgtttttca ccttctcggt aagcttatct gttggcttag cgagcggtccg 60
ttaagcacia cactcatagg ctaagcgcca ggaagactct ggaagaagat gagttgtaca 120
ggtttgctaa gtgcaccgct tcatctcact aagcgaccg cttcagttca tccactaagc 180
gagaaaggca cgcgctaagc cgaaattcac taatgtgcgc taagcagtcc ataagaaata 240
cttcccagag tccaagactg cggaagggaa agatgcaatc tctttatttc atcagtttcc 300
tgatgaatct ttgagtgaag cattggagag gttcagaggc ttgttgagaa gaactctcac 360
tcatgggttt tccaagccaa tccaattgaa tatgtttata gatgggctga gacgacaaac 420
caagcaactg ttagatgc 438

<210> 34189
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34189

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gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc 120
taagttcacc ctcatgcca aatacatgaa aataaaaaaa gtctctacta caaagactac 180
tcaaaatgcc ctgaaatata aggctaaaac cctatactat tanaatgggc aaaatacaag 240
gcccaaaaga aggaaaaacc tatttctaata ttacaaaaga agagtggacc caaccttggc 300
ccatgagctc agaaatctac cctgaggttc atgagaaccc cagggccttc tttagcagct 360
ctagcccaat cctctcggag ttttcta 387

<210> 34190
<211> 437
<212> DNA
<213> Glycine max

taaactctct atctaagact tcactaatca ctaaccacta attatttata aaaaaaaaaag 180
 ttacgttgca agtatatttg atttatgttg ctggcaatct ttactttata gtgacatata 240
 aaattataaa tatcattaca aattctcatt tttaggtgac aatctttcct ttataggcaa 300
 cattatacga aagaacatat atgagaaaag gctggtatag aaccaattaa cgaaaaaatg 360
 acaaaatcgg ttaaggtagt aattttgata cgtacacaag agatgcgact gaaaaa 416

<210> 34193
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34193

atgatgaatt ctgacagact cagggcgtgt cgatcctaac tacgatgatg agctccggct 60
 cgagatactg actcccctac cgagtcaaga tggcctcacg atttacgaca gatgtgcacc 120
 tccgatcgat gaatcatgaa taatgctctc gatgatccac gaatcccgac acgaatcttt 180
 caacgatcat actcttaact ctttcacaca atttagtccc atacgaacgc ttgcgaggcc 240
 ctttactcac cgagtctcta ctttctacta atccatcacc acctcattgt aatcgactac 300
 caccagccaa gattgttcta caacgctttc ccttatttac accgctcctc tgattcaaac 360
 ggcgtaccga ctccaccgcc 380

<210> 34194
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34194

atatagcgat aaattagtag gaaactcttt tcattntttt gtatcagata tacagtgtgc 60
 attagctcat ctcatcataa tggattcacg actcaaaaga tttactgtag gtctagatca 120
 tcaagatcct aggttaattg tcaaccagca tcctttctga ctgccttact gtgctaattt 180
 tctgatatat tagtatcttt ctttcgggcc tgtctttctt tgatcaagcc aaaagcatat 240
 tttaatgaca gtgaaaattc acattatgga gttatcttgc tcttgaccta cactacatac 300
 ctgattcttt acaaaaagta tacatgcctc aaaatattga taatctgtat at 352

<210> 34195
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34195

ttcttgtata tgttgagcaa tagtcatcac cgcgattgaa atgcccaaaa tttttcccaa 60
 ttcacaccat tgtcactttt attcaacata tgatggctat gatctgctat atgttttaga 120
 tcaataaggc ggcttgacac aaaactgtta acaaaaaccc caccgttggg aatgggtcaag 180
 atactagcca aaaagtgggc aatatgaaac tctaacacct gtcanttcac ctttttggcc 240
 tccttatgac tggaggggtc cgcagaccta ttcttgtgat cacagctttg tcttttgcct 300
 tctgcactgt ctctctcctt tg 322

<210> 34196
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 34196

tcacatgctt cactctctct tgtgtgctgc ggctttggat tatggacact atcttttata 60
 cttggtatca agtattggat tgcgtacttt catacgatga atctaggaga ggtgtccttt 120
 aagagacatc gatacatggg atctgcttta ttttctctt agcagagtgt tagttacatg 180
 catgctgtgg ttcatatgtt acacagagta tttcttggtc tacaacttgt gagggtcac 240
 cattctatca cctggaggaa taagtactgg actccagatg aagaagggaa gcagaggtac 300
 acattatttc tgcaataatt catagatgaa cctgaagtca aatattacat cttgttctga 360
 ggatgaaagg aacatacttg acttctgaat cagaattgag tacagggttat 410

<210> 34197
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 34197

agcttctacc atgccaaaac gaaggagact tagtatggat ttaagaaaac aaagctagta 60
 acagtgtctt ggggtcaaaca cccacattac tacatgaaag agctaagagt atttcggggt 120

ttacaaagga acgtaatttg gaaattccga ccacgccaat gtgaccgggg ttcagtgtag 180
 gttacaaaaa taacatgtat ttcataaag gataacgttt acaaagtctc tttctctaag 240
 gtttttcaaa ggaagcataa gacatgcaat ggcggctgca aagttagaaa agatgcaaag 300
 agaagatgga actaacaaga aacaagcata gaaccatggg tacctcgaaa gaaaacaaaa 360
 gat 363

<210> 34198
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34198

tattgtgtgg tgtagcagc gcataagatg ttgagtgtca cagatattct agaaattgat 60
 acatttagaa aagttggtat aaggccttct caaatgatgg gtgatggaag cttgcttgtg 120
 ggacttctat ggaggttga tctttgagct tcaatgaagt cctttaatgg tgatttttca 180
 ccatggagat gcagcgaaag acaaaggaga agaggtgaga ggaggcgta tccactaagg 240
 aataagccat ggaagaagga gcttcaccac caagatgagc cttggataag aagcttgag 300
 aggatgcttc aatggaggaa aagaaagagg gggagaaaga gagaggggga gcacaaaatt 360
 gaagaaaaac agggagagaa gtgaactttg attgtgtcta caagactcta ttcatanact 420
 tac 423

<210> 34199
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34199

agctttatca cttttcacac agaggtcaga ttcgggcaca taatatgtcg agatgctcgg 60
 aattgaacca cggaagctct cgagtaattc aaatggatc aacttttcac acagatgtcc 120
 gattcgggag cataatatgt cgagtagctc gaaattgaac aacggaagct gtcgagaaat 180
 tcaaattggtc ataatttttc acacggaggt cacattcngg cacataatat gttgagatgc 240
 tcggaattga accacgaaag ctctcgagaa attcaaattg tcataacttt tcacacggac 300

gtccgattca cgcgtatcac atatacagac gctcgaaatt g

341

<210> 34200
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34200

acagcttgaa tcggacctca gtgtcaaaag ttatgaccat ttgtatttct cgagagcttc 60
cgtggttcaa tgtcgagcat ctcgacatat tatgtgcccg aatctgactt tcgtgtgaaa 120
agttatgacc atttgaattt ctcgagagct tccgatgttt aatttcgagc atctcaatat 180
attgtaagcc tgaatcggag ctcatgtgtga aaagttatga ccatttgtat ttgtcgaatg 240
cttccttggg tcaattccga gcatctcgac atattatgtc cccgaatcta accttcgtgt 300
gaaaagttat gaccattcga atttctcgag agcttccggt gttcagtttc gagcctctcg 360
atatattatg cgcncgaatc ggacatccgt gtgaaaagtt atgaccattt gaatntctcg 420
agagct 426

<210> 34201
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34201

agctttattt tgcgggttcg ggagacaaag gtcaagcgtt cgcgatatgc gaggatgata 60
ttccgagtac tttggatttg gtacgaccat gctctcctga tttccagctg ggaaattggc 120
gagtggagga acgccccggc atttacgcaa caagcataat gttaaaccctt acgggttttt 180
aaagctctat agttgggcct acgctttana gttttcattt tgtaaggct ttgtgtcctt 240
tgtgtttgaa tttataatac gaggatcttt ctcatctgt tcctggtctc taccattct 300
cattcatttg catgtttact tctttttcta aaacggcaga ttcgatgacg agtccccga 360
aggtactaat acctgggacc cgtctatcaa cttcg 395

<210> 34202
<211> 442
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34202

tgatttgtga gttgattnta gcttttagttt cacttggtta tttctcaact cattaaaaga 60
gaattttcaa agtaaagtgc cggttgagac ttgccctttt gatgattaac caagggttacg 120
acataaaciaa tcggttgaat tttattttga aagtgattaa atgagattac aatgcaaacy 180
atcgggtcaaa attcatttta aaattgatta agtgagatta cggcttaaac gatcagtcaa 240
aactcactta aaacgaagaa aaagaatact gaaagtagac gagacgaaca tgaaaacata 300
cgaagcaaga atcgacgcct aaggatgcat agaatgaatc caaagcttcg aaatcaaaaa 360
ctaaccagtt gaagattgac gaacgatgaa gaacagcaaa gaatattcac ggaattggtc 420
acggaagcgt tacagaagcg cc 442

<210> 34203

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34203

agctttatta acttggttga atcaattacg aaggacctat aatcaattaa aatagagagt 60
tttttctct tgaagaaact tttetaactt agaacttttt ttcacactaa ccatgatgat 120
gaatgatgta accaatacaa atgccactca agggagttag gcatgtaaaa ctcaaaacat 180
cttcaaaaat tcttcaagct tttccttgaa aggttggtca ccatattgct catgttgctc 240
atgttggtcc ccttatctct aactatctcc ccctttttgg ctctgatgat gccaaaactta 300
catatgacgt tgagtgcatt tggaggggtt gagtcttgag attggagact tgatccttaa 360
tcttatctg acnaattctt aacacttacg aaga 394

<210> 34204

<211> 420

<212> DNA

<213> Glycine max

<400> 34204

gtctaaattg acgctttaga tcatttttat tatgctttgc tgagcaacat cttcaaaatt 60

gtgattagga catttcctca gcaatgattt gaattactcc tatacttcac aaaagggttc 120
 ttttgatcct ttctgaatg tagaaatata tgactttaca ttgatatacc tagatggagg 180
 gaaaaatcta tcaagaactt ttcttccact atgctccagc ttgtcaaact ttgatttgga 240
 tgagattgta gccatgcttt ggctttccct gttaaagaca atggcaataa tctaagggtac 300
 acaacctcct cttcaccttt aggaatgccc attgtgccat attgttcata gaaagtagat 360
 agatgagtat atggatcctc attaccagca cttgcaaact gatgtgcact gatcaaaactt 420

<210> 34205
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34205

accacgccac gccacctctt ccccgctctt ttctgtctc ctcttctct cttantcact 60
 catcacntc gcggcgccgc cnnctgagcc ttgatacatt gganatcnna ggggtaccag 120
 ggatcctatc gagccaccta cagcatgca gcctatcgtc attttttagt aagagggact 180
 aagcgacctg aagtttattg tccacctgac actcagcccg caaactgata gacgactcac 240
 tttgcgagcc tgatacgcg taattgtgtg cttgccgaac atatgtctgc tcagattccc 300
 ctttactcga taatgccgct ggtgatgggc ttaaccggcg atgcgcacca atcccattgc 360
 gccaccttac cgtgatgagt cttttgtcac aacttcaaaa accttctatc tactcactct 420
 acacaacatt aacataattc catccgaaag gctctactgt tacagatcga cccacgaatt 480
 tatctccacg tacaccaaaa catcattgca gactattaca tttgaaacat ct 532

<210> 34206
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34206

tcanaccaca gcaacacaca atctatgtat ccaaaacctc tcattttaat ggattatcaa 60
 ggtttgagaa gtgaaattga gaatggggta aatttgagat aaaacctcac ctacacaag 120
 tctataacat caatttaaac ttgtcactt ggatttacac ctaaaatttc accgaatcaa 180

aatttgactc ctcaacaccc aatttttaccc tagaaatggc tctttgatca ctttggccat 240
 ttgtttttct ctcttgacac gcccaaactt tctcataagt cctaaatgac atttcaaact 300
 aggattaact ctgtntaacc tccaaatacc actaaatgca gatttggact tccaactttc 360
 aaagtctcac tctatatcca ctcaaacac cataactctca ccttctaacc ctaggttaac 420
 tctacccttc a 431

<210> 34207
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34207
 tttcttattg agtaaaataa agcccaaaga gcaggaataa ttaaggaaat cagagctaatt 60
 tgagaaaagc aagctaattg aggaaagaat ggctaattga ggaaagcatg gctaattaag 120
 gaaataagat taattaagga aagcaaagtt aataaaggaa agaagactta ttaaggaaag 180
 tagaataatt aaggaaacca taattaatta aggaaagtaa aggcagactt ggtgtaaaaa 240
 gtcactaat ctgcacctat aaaagaaaaa gagaaaagaa ggagaagaca catagaaatt 300
 ccaagagaat ataattcctc atagaacgaa aaggctagaa gaaggagaag caaacaatag 360
 gagtcattcc ttccctctat ctcccttctt atctttt 397

<210> 34208
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34208
 tggcagatag tttagatagt actcgacgaa ggatcactgc tttgtttgca actgaataag 60
 aataattaaa caaaagaatg agaagtaaga caatggctaa aatacataac actaggcctg 120
 taaacaataa aatttatgat ataaaagtac atgttactct tgcagatcaa aatttagatt 180
 aaatcctcca caccagtctt agtctataca tgatggatat taattagtta gtgaggtaag 240
 ttggtttaac aaataaggca tgttgacctat taatcttgct gtttgtgaga gaactggggc 300
 ctttgggcat tgggaagtcc aaacactcga agttctacaa gtttaaactct attattcttt 360
 ctgataagat accatgtttc taccaatatg ctttagcaac acagacattc atatacatgg 420

accaccataa cac

433

<210> 34209
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34209

tttctttcaa caagagtctt cacaaataac catcatgaag cagaaaacta acagaactac 60
ccatcatatc tnccaaaatc ccatacccac gaaatttaag agagaaagaa gtccacccaa 120
acctgaaatt tcgaagtccc actcgtagac acgcacttca cgactccgaa aatgctctcc 180
tttcacgatt tggggcagaa atgatggcca aagggtgaag ctttgtttgg agcttcaatg 240
gagaacgaag gagaagagaa tggcaacgtg agggagagag agagctgtct gaacagtgtg 300
ggggctgagt gaagagagag aaaagctttt tggtttttaa tacaaaagg gctttctctt 360
ctctctatta ttttatttaa tcaacgccac atg 393

<210> 34210
<211> 433
<212> DNA
<213> Glycine max

<400> 34210

ttgatgcaac atttggagag gttaatgaaa catcttggtg atgcgctcca tgagaggttg 60
gatcaaattg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat gggtgataca 360
tggacggaga tgaaaaagat catgaggaag cggtatgtgc cggctagtta ctcaagggac 420
ttgaaattca agc 433

<210> 34211
<211> 395
<212> DNA
<213> Glycine max

<400> 34211

ttctttatgct ttccaagacc tccctcatcc gcggactgca tgcataatgtg ctgctcttca 60
 cccccctgat cgccgacttc caaccgacct tgggtgctggt atatagtttt ccagccccc 120
 agcttacaaa tctgttttaa atccaagccc ataaataaaa taaaatcaaa tctagataag 180
 ataagataag atctagatga gatcaaactc aaataatc tagataagat aaatttttgt 240
 agaataaaat agtctgcctt cttcaagtcc aaactcaatt ctggattcaa gtccaatgct 300
 tcattaattc ctgaaattat attaaaaaca tcaaattagc tgaatgggcc caaataataa 360
 agctgcataa ttaatttgac aattaagact aatta 395

<210> 34212

<211> 428

<212> DNA

<213> Glycine max

<400> 34212

tctctttctc aatcaacctg tctattgact aacttttcta attaatagtt cacatacttg 60
 ttctttcttt gtctaacata catacttgct caaacttatg aaaagaaaca caaattccat 120
 cacaatcatg catttaatcc aaaagcccaa gtgattaatt aaagacttca agatcaagca 180
 tcaagaatcc aatccaagat tcaagattca agagaagaaa tcaagaagca acaagtcaag 240
 acttcataaa ggataagtat taaaagaatt tttcaaaaac caagtagcac agtttgTTTT 300
 acaaaagaat tttctcaaat tttctaagtt accaaagtga ttactctctg gtaatcgatt 360
 accagttatc agtaatcgat tactagtgc cagtttggtt ttcaaatgt tttcaaatga 420
 tttgtaac 428

<210> 34213

<211> 248

<212> DNA

<213> Glycine max

<400> 34213

ggataaggcg gcggaaggga ctacttacgc tctgactat gacagcccc gctttacgag 60
 cgctatacac cagctagcgc ttogacgcca ccaagggatg gtcgtttctt cgggagcgac 120
 gccgttacct caggagcgac gaggctactg attctctga tgaaacaggg ccccggcgcg 180

ggacatcact ggttactccc atggccaagt tcgatcaaga cactactctt gagtttatgc 240
ccatgctc 248

<210> 34214
<211> 412
<212> DNA
<213> Glycine max

<400> 34214
acatctagag gtgctttcca atctgttctt ttaccactta ttctgccttc ttttattttc 60
agagtgggaa tgcctctgac agcacctttg tcaatgattt tcttcatgcc tcttaagtgc 120
agatgtccca atctttgatg ccatattctg acttcatctt ctttggagga tagacatgtg 180
gaggagtaac tgctttcttg acgtgtccat acgtagcagt tgccttttga tctgctgccc 240
ttcattagaa cttcactctt ctcatcagtc actaagcatt ctgactttgt gaagcttaca 300
ttgaatcctt catcacacag ctgactgatg ctgatcaagt ttgcagtcag tcccttcacc 360
agcagtactt tgtccagact atgaagtcca tcatggacta actttcccat tc 412

<210> 34215
<211> 377
<212> DNA
<213> Glycine max

<400> 34215
ttgcttgtgg actatacctt cgaccgaaca cggtcgtggt tctgtctacg cccggattca 60
aggcgggctg cagcaccggc tccgcttccc taactgtact ggaggcgggt gccgtggctt 120
taccctctat ggttttcttg agttttaaca tgacttccaa gatggaagcc atttgcattt 180
ttaaggccga tagatcgccc ttcattctgtt cttgcacgcc cttttcatta tccatttttt 240
tggatcgagt gttatacggg tgccttggtg ttttcttaat tatgatgaaa ttcctaaaga 300
aataaacaac agtgagtatg ccaccaaacc atgagtatgc aaatggatga tcggagcact 360
tggatccacc ccaagat 377

<210> 34216
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34216

tcacgtctac gatcgttgtc cactatacca cctggtgttg agagaccagt ggtgtatgtt 60
gatcctgcta caggaagggc cgatgggtccc cacaagaaga aattaagaac atatttgggg 120
attgtggcgc gtgataaggt ggacatcacc tacgagaact ggaaggaggt ccctactgct 180
cagaaggacc taatttggga ggatattcag gtatttctct tttcttattt gattgtgtgt 240
aattaatagc caaaaaattt cattattgta ataaataaac tttgtttcat gttgttaggc 300
ggaatttgat atcccagagg cttctgacag taggacaaaa aggaagttac tacagaccat 360
gggggagaga tggaggcagt ttanatcaga cctcacgagg aaatggggccc ttgcagccga 420
tc 422

<210> 34217
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34217

ttgcttttggg tcttcttcaa attaaaaccc gccatgttgt tcttgagttg ggttgaatca 60
cactcctgta agtatatttg ttactatata ttgtgctaac atcatatata tgcattgagaa 120
ataaaatgac ttaacaaaca aatgctatat ctctgaatac ctgaatttga tgccttctg 180
atattgcttg tgactggagg atangtgatc tgagaccatc tatgtcgtta gaactagggtc 240
ttagcctgta ctctccacaa ctgttggtcag tttcatgaaa ttcagaaggt caccaaaaat 300
aacaaaaaaa aaatgcttta gttccatcac tctcaagaga tgtaccgctg atcatataaa 360
atatatagta tggtagaaaa t 381

<210> 34218
<211> 411
<212> DNA
<213> Glycine max

<400> 34218

tgtgcattac gcaatatgcc aatattcatg tccaaaattg acacogttac aattttgtca 60
cgacattaag aagatagaaa gagtaaatga aatctaattc tcaaaagtat gtatctcatt 120

ttcatttttcg tcttcaggtt taatgaaatg agaaaaaagt tctgtgtaaa agcatacacg 180
 caaaaaataac gtggaacatt attattttaa aaaaacacta aatataaatt attaaaagta 240
 aaaaagtata aattctaatt accaacatct tttaaaactt aaatgtatca tttcttaatt 300
 tagcatcttc aatatatata tgcaacaacg cctactaaaa tacagtttaa ttttatttaa 360
 acgttacatc tcagtcaacc acaacttctt aacttacacc tgatatattt t 411

<210> 34219
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34219

agcttagact aaatgtacct aggtacgttg gcgatggaca acaaaaagcg agcagtcacg 60
 gtcgtcagcg cgatggagaa agcttagatg cagaacacgg agaagaagag agcgcgagca 120
 atgtaggctg tgtatgatat aagttaaaat gtaattccaa catcgatttt caatacaaaa 180
 ccgatgttaa caaatgatg ttaacgttaa catcggtttt cttctanaaa ctgatgttaa 240
 ctgatcatat gttaacatcg atgttcaaaa aaccaatgtt aacgaacata ggtaacatc 300
 ggttttcttc aaacccgatg ttaactaaga gacattaaca tcgattnttc caaacggatt 360
 taacaaatta atgttaacat caatcttaca agaatcg 397

<210> 34220
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34220

tatcgtagt caagaatgat gcatctaaat acatgatatt atgattcatc ttgggtagaa 60
 agatttatgg gtagacaggt tatgcaactgc taaaactaat atgaatttat atgataccat 120
 gagtggatgt taatttatca tgtactcttt ttacactct aaagtgtata gaagctaaat 180
 cgaagacttt tacactatca aataataata taacacctta tttataactc ttactagtat 240
 tatcataaca gtgaatgatg ttcagtagtg gaagaatgat tttcagtcac gcacgattgg 300
 ttgataggat aaattatgct gtgagtttat gctaactgaa ttatataaaa tgcacgttct 360

caaaaaatag ccattgctgt cattntatta ttccttcgat tctgggttga tacgcttgtg 420
ctaacagagg tataataa 438

<210> 34221
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34221

agcttgtata tttccccaat ttatggttat tttgtagcga tttttgtaaa taaatcttgt 60
tttatggtta atgctgcctc tagaacattt ccattggatt taatgatgaa atatgtgcat 120
tctcgggtga aacagaggct aagttttgaa ttgcaaaatg tagcagttgg gctaagctca 180
acagttgggc taagcgcata tccaccgcta agcgtanttt cantgcgctt aacgcaaagg 240
agaatctggc agagcatcag catcaaagct gcgcgctaag cgcgacatca atgcgctaac 300
cgcactacgt gccttcaccc a 321

<210> 34222
<211> 434
<212> DNA
<213> Glycine max
<400> 34222

ctacaatttg aattaaaacg ttcaataact gctggtattc gtttaccata tatgtataat 60
cgattacaca gtgcaaattt tgaattcaaa ttttaatagc tgttgtaa at cagtttttgg 120
ccactggtaa tcgattacat cctctggtaa tcgattacca aagagttaat ctcttgaaaa 180
agacttttta acttaaat tttggccaaa ctttttgcta cttcaatagg aattcccttc 240
ctatttta atactctttc taagactcta gaaactttct tgatcatcca tcttgaatat 300
ctttgtcttg aataaagctt tgagaaacat gtaacccttt ggcaagcttt ccctttggca 360
tcatcaaaac attcagcttg atcctttgtc tacatagatg actctcaaaa agcactctct 420
aaaagataag atcg 434

<210> 34223
<211> 373
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34223

agcttatggt cattttcaaa ggatggtggt tgctctacat ctatactcca atgacccatg 60
 atataccaat ttaagtcaag tcaaaagata taatcaattc cagggatgat caattaaaga 120
 ttaactaatt tatctgagat tttccaaaga gtttgatcat gcattattct ctacctaggt 180
 ctaccaaaca taaacaaatg atcaccacaa tacatttgat taancatatg attgatcaat 240
 ttccaattaa acaataataa aaaggtagat aattaattaa tataaaaaata ctaaggaatt 300
 tcattaaaaa aataaaggat tacaattaga aagttacatc atatccctta gactaacgtg 360
 actagctatt tat 373

<210> 34224

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34224

agcttgatca aaacaattat ctaatgattt caatccactc attatattca attgctcatt 60
 caaatcattc tcaaacactc atttcatgca aaacaatcca ctgcatatca ttttcaatca 120
 attcactatt caaacacgct tttggtacaa gtaaacaact caaagtgtg aaattttaa 180
 aactaaaatt taaaataact aaaatataaa aactgaaatt aaaatgactg aacataaatc 240
 ataaaataac tgaaaataaa ctaaaatttt caagatgcac aaattttaa gtcctgctcc 300
 tgtggttgct cctatgcatg ctcatthaagg tccaacacct gagcagctgg tgaatcctga 360
 gagataggct gctctaactc agatgctagt gcagatggta caacatcatc angtatgggt 420
 gctagggatg gctctgggat ctg 443

<210> 34225

<211> 378

<212> DNA

<213> Glycine max

<400> 34225

agcttgcttt attcttctgc ttcttgctaa aagagtcaaa tatccattaa tgtatatgaa 60

cgaatcgctc gtgggtgctg atttcctaac acgctggctg tacttgacat aaacgccaaag 120
cgaatcataa ataatacctc ctcccgtata atttcaagaa atcaggatat actaagactc 180
tagttgttca taattctcac ttgtctaaac tcttttgtat tgaaatttac acatttaata 240
aattaatact cgcagctgac taatgtggta catcattctc tacacaatgt cttcacgata 300
tttataactct ctctctgcac gatcccatcc tctttaaaca agcactcttt cgggtacaaca 360
tacttatgcc caatcact 378

<210> 34226
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34226

tactcaagct tgttgatgag actctgagac ggaggaatct ctttgattct gttttattat 60
gaccatgcaa cagtatgtat gtttaagagg gatatgatat ttttacattg agaaattaaa 120
aggtcatctg attttgttgg gtatattaga ggtcaggat acaacaatat aaaatcgatt 180
tgttgatttt atgtcaagta aatcctgtgt ggatagggaa agcctttctg aatacctact 240
tgatcaccac atccatcttt anaaggaaaa ttagttgcgc tcaaattttc agagatgaca 300
ttatgctctg tgattatctt tttcattgat tgaaagtcac taatgatata tttcatatcc 360
tttatttatg tctattaaat gctgatgacg ttttgccgt 399

<210> 34227
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34227

gacccataa gtcgantgca cgctgcacgc ttttttttgt gtttgtaaca tcgttgcaag 60
ctacaccttt ccatcggcaa cactcacctt tctttctaag acgaaagcct tgaacacgga 120
tctttgaagc tttctttcat attgacaagt gcttggctct cttcttcatt gcagacaaca 180
gagaaccacc ccctggaact ggaagaccac aattcacatg caattataac gataccacac 240
ctcataccog ccgagctctg catgctcggt cgttctgtat cccactcaaa caatttgatg 300

<211> 542
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34230

acaacgccaa cacgagaaca ataatgacc gggataacgg atgacgaacc acataaagac 60
tnanacaacc gcgagacaat tgatgcgtcg tagcccnca cntaaatann aaaacnnaag 120
cannagaganc ggaaaaacgc cacacagcaa agaatttcat tatcccccg aacgcggacc 180
agggggggga gagaagcgca agacacgcc aagcagagaag gccagaccaa acgcccggca 240
caaaagccga ccacaggcgc aaagaggagg ccaaacacca gctcgagcgc cnagcgcaca 300
gaaggacgac aaacacacga cagcgagcaa cggaccaacg cgccaaccac gcatataaca 360
cgaacagaag cagcgcgccg aaacagacga acaggcgccc atatacaacc agaacaacac 420
accacgcaca aaactcaacg ccgcgcacac cacacgaatg aagcgcaagg ggaggcccga 480
aagccacaaa gaggcgacga ggagggaaaa aaccgcgcaa agcagcga aaatgaaca 540
ac 542

<210> 34231
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34231

ttgctttag ttaattcaaa cgacaataac ttgttaatcg gatgtctgat tgagtcccg 60
catatatcga gacccttcaa attgaatgct gaagctctca gccattcaa acgacaataa 120
ctccttactc gaatgtccga ctgagtcccg tcatataacg agacgctcga aactgaacgt 180
cgaagctctg acccaattca cagcacaacc actttttact ccnatccctg attg 234

<210> 34232
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34232

ccgcttaaac attcaatttc gagcgtctcg atatattact agattatattc ttacatccgn 60

gtaaaacggtt attgtcgttt gaattcgctc agaggttcaa catttaattt cgagcgtctc 120
gatatattac gggccttaat cagacatccg aatacaaaga tattgtcggt tgaattggct 180
cagaacttca acattcaatt ttgagcgtct cgatatatga taggactcaa tcagacatcc 240
gagtaaaaag ttattgtcgc ttgaattgtc ttagagcttc aacattcaat ttcgagcgtc 300
tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg tttgaattgg 360
ctcacagctt atacattcac cttcgagcgt ctcgatatat gacaggactc aatcagacat 420
ccatgtaa 428

<210> 34233
<211> 331
<212> DNA
<213> Glycine max

<400> 34233
ttttctttga atggcggttc atccataaga atgaacattt tcattcatga acctttatct 60
tttaatgtaa tctactactt tgogaagtga ccatcaaaga cttctattaa aaaactacac 120
tacaaaagct ctcatgttac aattgagtgg tcaatgacct ttgataaaga aacacttgct 180
agtaaaagtt gcgttttata aataaataaa taaaatcatt tttatccgtt tctgcacact 240
ctgaaatoga ctaaaagaaa ttaatatacg tctgcatata taccttacia acttatggcc 300
actcctctca gttcacaagc atatcacata c 331

<210> 34234
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34234

acctccttaa cnttagaccc aaaatagcca caacagaaca attatgacct ctccagcaac 60
aagtacaatc ctgggtggag gaatcatccc aaccttagat ggtcgaatcc ttcacaacag 120
cggcaacaac aacaacaaca acaacaacct tattttcaga atgctgctgg cccaagcaga 180
ccatatgttc ctccaccaat ccagcaacaa caataacagc aaacagatga ggcccctccg 240
taaccttccc ttgaagaact tgcgaggcaa atgactatgc aaaacatgca gtttcaacaa 300

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34237

tgcttatagt atgcccgagt cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttggatt ataggattga accaagctca tgctcttaca aaaaggttca 120
tcaagtcaag ttgaaatacg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcacg tactgcaaaa catatttang attgttgatg tccttgttac 240
ttncagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tgcattccatg 360

<210> 34238
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34238

ntgaggggtgc gcagcccacc atcttttcat agtagagtac cgataatgtg tctaccatca 60
cgattatcgt ctccctttcc attattgggg gtaccacctg ngccgccaga tccttcacc 120
ttttgggcgt gttctttgaa tgatccgtcc ccctttntgc aaatgttctg tagttgcatc 180
ctatccagaa ccatatcaaa attgtattga tactgcctaa caaaggcaac cattangtcc 240
ttccaagaat ggactcgga agattccaag ttagtgtacc aggtaacagc taccacagta 300
agactttctt ggaaggaatg tattancaat tctcatctt ttgcgtattc cccatcttc 360
tgacaatata tctttagatg gttcttggga caagtagtcc ccttgtactt gtcaagggtcc 420
agcaccttga acttggg 437

<210> 34239
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34239

aaacaaacaa gggaatctcg agtccaatat atctatcgct taactcttaa agttcattct 60

caatcaatcg atacatatct caattcgaac gagaacaacc tttaaaactg tccactttac 120
 actttgatct atcttatata atcaagggtg cataatcact tccgttgtcg aacgcgtcat 180
 ctgcgtgact aatgtctccc ttaaacaatga aaaatacaaa atctataccc tcaacacgca 240
 aaaagcgnca ctcacatatg cgagcgctaa ctttcgtcca tcacccctca tcaaacaatc 300
 tactttacat atanggacaa atc 323

<210> 34240
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 34240

actcagcttc ttcattctgc atcaacgaat cactcttttt cacattggac tcaccagaa 60
 cccagctaata catatattac ttttatatct catgagagag gattgatctt catctcatat 120
 gaaaaattgc tgcattctac ctgctatggt gcagatatac tagcttaacc gttggagaag 180
 aataaaccaa caagggacgg gcgaggaaaa agagaggaaa gtcactgggt ccaattcttt 240
 ctaactttat ttttaacaaa attaacaaat caatatctaa tatttattga taaaaaatt 300
 gttcccatgc taactaattg acggacttca ccatttaatt attgtgaaat atatactcta 360
 tatttacaca 370

<210> 34241
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34241

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactgaggc acctgttcta gctcttcttg acttttctaa aacttttgag 180
 ctanaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg cgggcaccct 240
 attgcttatt ttactgaaaa acttcatagt gccaccctta actacccac ctatgataaa 300
 gagctttatg ccttaataag agccctccac acttgggaac attacccttg tttccaggaa 360
 tttgtcatta tagtgatcat caatca 386

<210> 34242
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34242

tcttatccaa ggctcatctt ggtggtgaat ctcttcttc catggcttat tccctagtgg 60
 atggtgcctc ctctcacctc ttctccttg ttttccgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atctaacctc catagaagcc ccacaagcaa 180
 gcttccatca ctgaggttga tcaccatggg gggaagttgc ctgcgacga cagggtgacc 240
 ttgatacttg ctctctagtt ttcctaagtg agagtgtcat gtggacacgc ttangctatt 300
 tcttgacgaa tgatacata ttgcatttta gagttgagtc acgtgcatgc atcattctga 360
 gcataatcga tttgaatatg aacaagttga tgactagttt gtttaagcga tgttgaactg 420
 atg 423

<210> 34243
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34243

agctttatta gtgcgggtct gggagacgaa ggtcaagtgt tcgcgatatg tgaagatgat 60
 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct aggaaattgg 120
 cgagtggagg aacgccccgg catttaacga acaagcataa tgtaaaccct tacggtttta 180
 aaagctctat agttgggcct aggtctttaga gttttcattt tgtaaggct ttgtgtcttt 240
 tgtttttgaa tttataatac aaggatcttt ctctcatctgt tcttggcttc taccattct 300
 cattcatttg catgtttact tctttttcta aaaaatggca gattcgatga caagtcctcc 360
 gaagggtacta atacctggga cccgtctatc aactt 395

<210> 34244
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34244

tgatcaaaac aattatctaa tcattccaat ccactcatat catacaattg ctcattcaaa 60
tcattctcaa acactcattt catgcaaaac aatccactac atatcatttt caatcaattc 120
attgttcaaa cacgcttttg gtacaaacaa acaactcaaa gtgctgaaat ttatataatt 180
gaaatttaaa aaaattgaaa tataaaatct gaaattaaaa tgactgaaca taaatcataa 240
aataattgaa aataaactaa aatgttcgag atgcacaaat ttaaagtcc tgctcctgtg 300
gttgctccta tgcattgctca ttaaggcca acacctgagc agctgggtgca gatgggtgtg 360
cataatcaag tatgggtgct agggatggct ttgggatctg gttttagtaa gcatcctcct 420
cttgagccct gttgtc 436

<210> 34245

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34245

accgggatct taagtcaactg cagctgcagc tttctttaat tacatnttct ggccgaagtc 60
caacctgcca tcatccggg attaatctcc tctgctgaa tatgggtctg atcgtgctg 120
acatccatcg ctccaccaga ttgtggacga gactcacatt tgccacgtcc actgttctat 180
actaataaaa tacttgcca tgtccatgtc cttcttgctt acacaaaagt ataataattga 240
atttcctttt cttgtacaa catentatat aaatactacc acctcattcc tctaaactca 300
ttctcatac ccactgttc 320

<210> 34246

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34246

gctcagtggg tcagttattt aatactgggtg caaaaatnta tttttatata ttctgaatga 60
atgagaaatt tagatgctaa caaaattaat atcattccta agaaattat taaaaattca 120
acgtgacaaa acagatcatg caaaaagcat ttcaataata ataataatag gtagataata 180

tagataatag aagatttgtc accaattaaa ataattacat acaatataat caattgaaaa 240
cataattatt aatcaaggta acataattgt atgcacttag ttactatatt aaatggattg 300
attgatttgt taaaatttta ttttaaagta atcaaaaata aattgtaaca tttattattt 360
tatttttttg aatttgaact aatttgaatt aactaattaa aatagaatta atgacactta 420
gctaattgctg aatg 434

<210> 34247
<211> 395
<212> DNA
<213> Glycine max

<400> 34247

agcttggcct caagttcctt cgcttccatg caacttccat tcgcgagaa ctcggaatc 60
gtcacacgct cgttcttacc ggactccatc aatcatttcc tcgccacctg cacaccaca 120
aagcacgcgc gttaacattt ttttttttg cctctttccg acaagtgaag attaccgaag 180
tagattttgt ctctttcgat aaagcctttt ccataaacia ccagttaatc aaagccatgc 240
ttaaaggaa cctagctacc taccaacatt gttggtacgc gcgcgttaac attaacggat 300
ccaaacaatg ccgttcgaga ttcattgtgt tctcattagt tcgcgtaaa taacggaaag 360
aaagaacaac gtccgcgctg tgaacagaga ttaat 395

<210> 34248
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34248

ccttaattctc tttgtcaaca caaaaacttc ccgtgcaata cttcatttat taacgcgttg 60
ccgagggata aacacatcta aagtaagggtg ttagattata tgataatata ttctgatttt 120
atataattct tatatctatt agattttatc ttagtcatat ctttagctat taggtttatc 180
tttagttnta tagttgttat atctattcga tttatcttta gccattccat tagatttatc 240
tttagccata tcttagctt atatatcttt agcttgtaac cttatatata agagaatggt 300
gcttaatgaa ttattcaagg aaacaatttc tttcatggta tcagattgct taaggaaata 360
tttttgaacc ttcctcagcc ttccgcacac aggccttagc gtcgttttagc ccctttcttc 420

gtgatagaag tcaactgagac acgccgataa aggacaatga caaaataggc gtctacaaag 120
 tgcttcacta gaaaacgaac ggcgagctaa aggcgatggc caaaaaacac gttgaaaaga 180
 gacaacgata gaatacgcaa tcaaaatgat ttgttggaat atgaacaaca aaaaaagga 240
 ggtggcaacc atcgtagaga gagacgaaca aaaaatcatg aaccaataaa gtgcataaaa 300
 acgtgttttc gtactgggtc caactaaatg atcatgtatg tatggggaca aaac 354

<210> 34252
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34252

ggaactataa aactccgctt gatgagtact gggaaagatg aagaaattgt gtgcttttgt 60
 cctcaccacc agatttctga gcaactcctt cttcaatatt tctatgaggg acttagcaac 120
 atggagagga gtatgattga tgctaccagt ggtggagctc ttggtgatat gacccctgat 180
 gaggctagga atttgattga gaagatggct tccaactccc aacaattcaa tgcaagaaat 240
 ggtgctatta ttcttanagg agtccatgag gtggccatgg attcatcttc atctactgaa 300
 aataaaaaagt ttgaaggaaa acttgatgcc ttggtcaacc tagtaactca gcttgccatg 360
 aatcaaaaaat ctgcacctgt tgcaagagta tgtggtctat gttcttctac agatcaccat 420
 acagatcttt gtccttcttt acagcaa 447

<210> 34253
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 34253

ttgctttggt tatggtactt acccggtgaa gatcgaagaa cgatgaagaa cgactgacca 60
 acgtccaaca atggttgaaa cctttgcgaa attcctcaca gaaaacgtta ccgaaacgtt 120
 tcggaagcgc ctccgcttag attttcttca cggaacaat ttttccaagc aaattccaaa 180
 gagagagaag tgcctcacgg gctgaacccc ttccttcttc acttctctcc ctatttatat 240
 caaaatacgg gaggtggctg tcgcccagct cgcccaggcg agccaggatg cttccttcac 300

aacaacacgc ttctggagga atattcta

328

<210> 34254
<211> 418
<212> DNA
<213> Glycine max

<400> 34254

tgtccctcac ttccatatta gagccacta aggatctctt ttatgcttgt tctttcctcc 60
tcctaagtc cagctcttaa atggagtact tccatttggt gtctatattc ttcaatactc 120
atactccctt gtctaagcct ttggagcttg ccataagct ccctttcaga gtaggagggga 180
atgtgcttct tcctaagggc actcttaaga ttattccaat actctactgg aggatcccca 240
tgaatccttc attccataac aagggaagtc caccaataga gagcctaccc ttgaaagcta 300
acggtagcca atggaacttt tctttcttcg ctaatatgat ggcaagcaaa gagttgctca 360
accttcattt cccaatctaa gtaggcctca ccattatctt ttccatggaa atatggga 418

<210> 34255
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34255

tttctttagt caaactggat gcattgggta actcggtcac ccaactggnc ttgaatcaca 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcat cctgcagcaa tcgagcagcc tgaagcttat gctgcaaata 180
tttacaatat acctcctcaa cctcaacatc aaaatcaacc acatcacaaac aattatgacc 240
tctgcagcaa cagatacaac cctgtatgga cgaatcacc taacctcaaa tgggtccancc 300
ctcatcacca accacagcag cctcgctctt 330

<210> 34256
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34256

caaatttgat catcctgctt tgatgaatga gaaaactagg gcaaatgaaa aggatgagaa 60
 tgaggaagga acccgtgttg tggctgtcat tcctacatgg ccaaacttcc caccagccca 120
 acaatgtcat cgctcagcca atatcgggcc ttctccttac ccaccaccca atcatccata 180
 aaggctatcc ctaaatacatc cacaaagttt gctagccgca catccaatgt aaagggcaaa 240
 ccgaaacacc aaccaagaaa tgaattttgc agcgaataag cctgtagaat tcaccccaat 300
 tccatgcct atgctgattt gctcccatat ctacttgata atgcaatggg agccataacc 360
 ncttgccaag gtcctcaacc t 381

<210> 34257
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 34257

tttctctctt cttatccgca aatgaacctg cccaacctca ctctactcca gaaaaagatg 60
 atgacaaaca tctaaagagt cagttaccta acaattccta tgcaggtgaa tcttccactg 120
 gtaattctga tttaccgaac caacatatcc ctcttccatt ccctccaaga gcaatttcca 180
 caccaacaac ggaacacgca tacaacgaaa tcttggaac atttacaaaa gtagacgtcc 240
 acatacctct gctggatgca ctaaagccaa ttccaagaca tgccacattc ttgaacgagc 300
 tgtgcact 308

<210> 34258
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34258

tataataggg tgatgttcga ggggccatgg atgtgtgttt tatctttata ttatgatata 60
 atattggcac cttttttaat ggcaagtgcg acatagagta ggaagttggc agtgtggatc 120
 tatatcccaa aattacatat tgaactttat aatcatgagt tcctttatag attgggatct 180
 atcctcgtag cattctaagg tctagtttgc acatgtatgt gtcaaattgg atttgaatgt 240
 gcctctacaa ccaaagttta tagcccgagg atacttggtg aagttacaat atgagggatt 300
 gcataaaatc tatttcaaat gcataaggta tggtcataag gagaataatt gtgtaagtgt 360

tggaatgaca caggagcata ggaggagata agtacaccaa ttggagtggg tggcgatagc 420
aatcacaata tgacg 435

<210> 34259
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34259

tgcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcacg ttctttggag 180
gatagacatg tggaggagta gctagtttct tgggggtgtc atangtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaacct ttcatcacac agctgactga tgctgatcaa gtttgccgct 360
agtccttcca ccagcagtag 380

<210> 34260
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34260

cttgagcaat tcanatgggc tgaacttttc acttttagtt ctgattctgg cacatcacat 60
atatagacgc tcgaaattga acaacggaag ctctccagat attcaaattg tcataacttt 120
taacttggag gtccgattct ggcacataat atatcgagac gcccgaaatt gaacaacgga 180
agcacttgag aaaatcaaatt gggtcattact tttaactcga aggtccgatt caagcacatc 240
acatatagag acgctcgaaa ttgaacaacg gaagctctcg agatattcaa atgattataa 300
cttttaactc ggaggtccga ttcaggcgca taaaatatag aaactgtcga aattgaacaa 360
tggaagctct cgagcaattc aaatgggtcat aacttttcat tcggaggtct gatactagcg 420
catgatatat cgagacgct 439

<210> 34261

<211> 385
 <212> DNA
 <213> Glycine max

<400> 34261

agctttaaat aagaaatatg agtaacaaat gaacatatgg tatcattgat atttgatcca 60
 atacaacgac agagattcat gttatgtctt aagtgttgga tttggactca atcaaagatc 120
 aaaaccatca tatcaacaag cactaatgtg tacaaaaagt tgctagcttt tacatccact 180
 tcattcaaaa ttccttagat tttgattttc aatcgtaagg gtatcttcat tttttttaag 240
 aaattatatt tgtacaaaaa atcttacaat aaaaaagaga gaggaagag aaaattttga 300
 aatgtaataa atgatatgga aggaaaacat agacataataa aatgatatta tataaattgc 360
 tgcaagaatt gctgtacatg tatta 385

<210> 34262
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34262

ctataaaact cagcttgggg ctgcgtggct tgtagttcct atgagcttgg gagtttttga 60
 agtgaggggg aagagttttg ggtgaagaaa acgttcccc tccacctctt tatattttcg 120
 tacagggggt gctcgcccag gcgagctaac ctgtaccctt tttttttttt tttgagggga 180
 acattaacca tgtctcctcc ttccttatgg gttagcgttt gccacttga acctacttaa 240
 attagaatta ggtgtcgatt acttatttaa aacaaacaat agtaaaagaa actgcgaatg 300
 caaaggatac tgggctgcct tgcaacgacg ttctctgctt gtttagtgcc gggaaggggc 360
 aacgatcggc cggtcgtgac cttatcccca cttgcatcgg tccctatgta cctgtaagta 420

<210> 34263
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 34263

agcttaaggc tacaaatata acactttcat gtttaagtttg ggcttccacc tctgcaaac 60
 cctccttcca ttatgttaat cacacctcgt agccaagtct tgagtgggaa agtctcactc 120

tagcacaatg attctgtcgt ctcttgagtc tagttgcact ctcggtccta ttgcattccc 180
 tttcttgctc tcatgaaggt tccttatcct taatgaatct ctgcagctac cccttctaaa 240
 tcaatttttc tattttttcc ttgagggttaa cgcattcctt agtgttttga ccaatgactc 300
 actgataacg acaatatttg gacttggcta ctccctagtgg aggtcactct ctagaccaca 360
 actgaatta 369

<210> 34264
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34264

tttatctatc tattatgaaa catgggttaac ttaaaaatat gatttatgat cgtgctttaa 60
 gcggtttattg aattcaggga aatcctaaat ctatatataa cgcaatttgg gtttttatac 120
 tattttgaat gccaggagaa atatttgtat gcttctcaac taccatttc tacagcttta 180
 gtctgtccaa gaatgtggcc ttttcttggtg aaaaataatg ttttttttta tttttttaga 240
 aaatacattc taagatgtcc cccttgatat cttcctacct ggactacttt tagtaacttt 300
 gtaatgcatt cttattagac aatgatacaa acattcctaa taacatcttt gaagcatgtg 360
 atggtaagat tgatgatgct tatgtggagc catcatttgc tgttgngaaa tct 413

<210> 34265
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 34265

agctttattc aagacaaaga aattaaagat attcaagatg gatgatcaag acaagtctct 60
 agtcttagaa agggatatatt aaataggagg ggaattccaa ttgaagtagc aaaagggttg 120
 accaagaatt ttaagttaaa aagtcttttt caacaaattt actctctggt aatcgattac 180
 cagtggccaa aactgattta caacagctat taaaatttga attcaaagtt tgcactgtgt 240
 aatcgattac acatatatgg taatcgatta ccagcagttt ctgaacgttt taattcaaat 300
 tttaaagctt gtaatcgatt acacacatac tgtaattgat taccagagga gtttttcaga 360
 aaagattctc aacagtcaca tctttctgtg tg 392

<210> 34266
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34266

tctagattag tgtaccagac ggcgcgcggc cccagccatg ctatcttgga agaagtgcac 60
 taacaacttt tcatccctag aatgcgcccc catcttgcca caatacattt tgagatgggt 120
 cttaggataa gtcacccctt tgtacctatc gaaatcaggt accttgaatt ttgggggggat 180
 gacgatgtcc ggtactaagc aaatatcagc catgtccacg aatggatagt cgccatagcc 240
 ttcaacaact ctcaatctct cttcgatgag attgagtttc cttttttcct ccgttgccag 300
 ggggtggcct tctgcggaca agaatattgg ttgtgctggg aggtttcgag gttctcccg 360
 gaggttgggc tgaggtagtg tggtgggtgc cggccctcg acgtggatcg gngagtanga 420
 atcgatgtct ccttggg 437

<210> 34267
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34267

agcttgtctt agcgtctatg cgagacagaa accaacaatgt tagctatcat cgccaagtac 60
 caagaagagt tgggtctagc cacggccac gagcatagaa tcgcggatga gtatgcccac 120
 gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta 240
 gccaaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaggaaact 360
 tgtatggctc ctcagacctt gactagatac gact 394

<210> 34268
 <211> 427
 <212> DNA
 <213> Glycine max

gtgtagttta gtttactttt gcttgaggag aagaaaagct ctattgnggg agtttgataa 420
 ttgttatgta tacgtaaatt 440

<210> 34273
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34273

cttaagtcac ctgcggcatg caagctttca ttccccacc attccctccg tattgttttt 60
 tagtagattt tccaccaccc ttgctcccg aactccatgg ttcagacaat gtagaccaag 120
 cataaacatc accaccccag tttgtcttgt ttttttttaa acaagatgca ccacgcccac 180
 catgccctcc accagctcca tcgttgccaa caggtgtgcc actattttgg gaaggtggag 240
 accctcctaa agatgatgag tctatataag aattgtatcc cattgtcaga ttggctgcaa 300
 ataaaaccac agagccagaa acaatggatg catcttgacc aagtctaacg ttgccggata 360
 cattgactgt tatcatacac ccttncatgg gacataaaaag tgacacatca gagagtatc 419

<210> 34274
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34274

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 caacattacc ttcagtgaag aaagttatct cctatagcat tagccgaaaa agatttaatt 120
 acaaaatctt atggcatttc ccgttgggga gttttctcaa gcaagtttcg tgcattggcag 180
 tgtgtgttac tcagaacatg ctgagttatt tttagaagaa aagtaaaaaac gtgagagatc 240
 accaaacctt gggtcagcaa gatgcagtgc agaagcaaaa ccttcgattt gagactgcct 300
 ccaaagtagt ggagtttcag ggttttaaaa atcgccctg aacaccaaata gtcgcttctt 360
 tgccaagaat cccgtttgaa acccanaaaa nattatagca ggaaccaata aaatggataa 420
 tggagaa 427

<210> 34275

<211> 125
<212> DNA
<213> Glycine max

<400> 34275

tttctctcgag caaattcaaa cgacaataac tgtggactcg gatgtacgat cgtgccccgt 60
aagatatcgg gactctccaa agcgaaagcg catgctatcg cagaagacta acgacaataa 120
cttgc 125

<210> 34276
<211> 382
<212> DNA
<213> Glycine max

<400> 34276

atattatttg ttctaatacg acatcctagt caaaagttat tgcggtttga atttgcttac 60
agcttcagct ttcaatttcg agcgtcttga tatattacgg ggctcgatca gacatccgag 120
taaaaagtta ttgctgtttg actttttctta cagctcccgt tttaaattac aagcgtctcg 180
atatattaga gggctcaatc ggacatccca ataaaaagt atcgtcgttt gattttccta 240
acagcttccg ttttcaatta cgagcgtctc gatatactac gggacacaat cggacatccg 300
agttaaaatt tattgtcgtc tgacttttct tagagctatc gttttcaatg tccagcgtct 360
cgatatattc cacggctcaa tc 382

<210> 34277
<211> 391
<212> DNA
<213> Glycine max

<400> 34277

tgcttgcacg atttacattc tccccctttc tcaagcaa at tcttaattct tcttgacatc 60
atcaaaatct tcatgattta cattctcccc ctttgtcaag caaattcttt ttgatatcat 120
caaacctgc atgatttaaa aaaacaagct agcaattcta atgaatcatc acttcatatc 180
ccttcccttt tcaaccaagt tagcactact tcctatacca aaatcccaac atataaaatt 240
tacaacaact ttgtacagtt tataacataa tatgcttaag tcaaacattt atttattcac 300
aaagaacttg cttccctttt tctttttctt ttctttcttt tcttttctat ccaataattc 360

aatatttaatt ttaccttaatt accctcattt a

391

<210> 34278
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34278

tgcgaggaaa gaagattgcc gngtggtggt gatgagctgc atcaagtttt ccatcaagaa 60
 gtgcctgagg aagtgcctca gcaagttggt ttgcgcgaa gaccaccacg aagcgatgat 120
 catgttgaag gacatgccgc ctgagccaaa ctggtaccaa gggaagtgga ggagggcaag 180
 gcacaatggg aacaatgagg agctcaaagg agagaataat aacaacaaca agggagttca 240
 aagaaacaga accattgcct tatcagggcc tttgatggg aatggaagaa taattcatga 300
 gaagatggtg aacaacaaca aggtgatgaa actctctggt cctcttgatg ggaaaatgaa 360
 tgggtgtaac aatgagagag tgaatgtgta tgcaaatgca aatagaagcc cattgat 417

<210> 34279
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 34279

ttgtcttgat aattgatctg gccaccaagt ccaatgcact tctgttatac actctccatc 60
 tctcctctga cttatttatc tatgttgatt ctccctcta aggggtgtaat tggtttagag 120
 gatggaaata gacgagaaat tttttaattg agtagagcgt aaaagggtgtg ggtcccacaa 180
 aaaaggtaaa aaacttatct caaatatttc tctcctctct accaaacaca ccattaatga 240
 atcatgaact cacaataaat ctccctgcat gttgaaaatc aattgtcttt tggctattga 300
 gaatattggt ttaaccact gccccgcct tgctctctga acaccaaccc attcccat 360
 ctctccatct tgtttc 376

<210> 34280
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34280

gtatttatga aacaactttg cttgtaattc tttttcttat aattttatat aacaaggggc 60
 atttgaaatt atttatttga gggtataaaa gtgactaatg aaatttctat aagtttttca 120
 ttgtattgga ccttagatgt aacaaaactt ttgttttggg tgcctgtcaa gtagtaagta 180
 acaatgtagt gtcatatcat cacttagttg acgataaaga ttcaacaaaa gttttgatat 240
 atcaagacaa taatgtaacc aaaaaattta ttgaagaccc aaaataaaaa attgtcattt 300
 atcatgaatt tcacacatat ttaatctttt cttttattta caagagtttc acgttcgaat 360
 ttattaataa gctcttattt aataacattc tattgaatag gtgcttcatt aacttcgtta 420
 cctcaatatt 430

<210> 34281
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34281
 tgcttgcaaa atatggctga ttgacgtttc tcttaataac acatttagat gtccaacata 60
 tgattaggca tggctgtaca attctgtata gtaacataaa acttctcgtg tagacaacaa 120
 caaacatcat tccacatcat ctagccattc aatgactgaa gaaagattca tagaaatttg 180
 taatacctat caaatatttg tccaaagga accattgcaa cgtaattagc agccacctgt 240
 aattacattt catcaggtat tattagagtt gtcagagagg cacatggaag tcaagtcagt 300
 cttgccatat tgagatcaat atcacttgct gacagaggac ttaactctac tccagacaaa 360
 ggtcactact cttaagttta ttcaagggtg aaaaaac 397

<210> 34282
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34282

agatgcttac gggccttgaa acatgtgctt ttgtttcttt gttttatcaa gccatttttg 60
 gcctagtgtc tgttccctca tcaagtctat aattttagcc attagaatac agtggattag 120
 ggtaatgctg aacttgattt atttttcacg ccactcttga ccttaagctt gttaacaatg 180

ctttgagtat atgttgataa tgataagtta aagagatggc ggaaattaca cttttgaagt 240
 gtgataaaga taaaagtagt atttttaaga actagaaagt ccaactaaat aagttgcaac 300
 tacttttaaa gttgctatac ttgcaagtt ccgaaaacct ctggtgtctt gacctatttg 360
 gcatattgag ttttcatgtt cagagggaat tctgtttag ttgctaggaa tgcantgct 420
 ggaaacaaaa t 431

<210> 34283
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 34283

agcttatgcg catatttcct taaaaatgtt ctcttgaca agacattcta ttaaccgaaa 60
 aaatgcaccc atatacaatc aaggcagctc cgttacctag attatttaca cgtacttcca 120
 aggtgtattt gttacttaca tcacacacat ctcttggct aaattcacat acatgcatac 180
 tcaaagcatt ttggattacc aaaaattgca catgtacacc tcttggatt tctaatacct 240
 atacatacac aaactctatg atgaatcttg actatctaca caataagggtg ctacatttca 300
 tgctct 306

<210> 34284
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34284

gacattata gaatactccg cttgtagaat ggctagacat gatacatgtc atggtttggt 60
 ttggtttaag gataaaaggg atgccccaca ttatttccat gacacaaatg caaaaatgat 120
 gatttgaaa ctttatgcaa aactggatcat gcatgcacct atgtggacac tcaagtgtca 180
 aatttttatg gtcatgtgat gctagggctc aggattcatt tctctatatt tagtcaaccc 240
 aatgtttcca aaatatgttc ttttatccat atgtgcattc atccgagtoc attttgggag 300
 tccgngaaa ttttcacagc attcaccctt cagggtgtata cacatttttc aaaaactagt 360
 tatgattagt gaattttttt caaagaaaag ttggaagtca tctcttttca aaagcatgtt 420
 ggtttttcag ctagacaact tatttttctt t 451

<210> 34285
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34285

cgctttgttt cactccctac aagtaagtgc actttgcctt ggttatttgg ctctccattg 60
 ttgtgttttg gtgctttagt tgctcatatt atgcgaaatt cgtgaagcaa ttcacatatg 120
 aaaccatact tgttttctgct aaattaagggt gttgtaacgg atggccttaa gcctatgttg 180
 cattctggag taatggggca tgccacattg ccncattct cttgctattc atgcctaaac 240
 atgtgcncac caagtgtctg gtatagggtac aacatgtaca ggtaaaatg agtgcctgaa 300
 tgcgaattct acgctaagaa cccaagctct tgatttcaat ac 342

<210> 34286
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 34286

tcttttagtc cttgaacaag caatctactt ctctttcata accatgctat gtgctcgca 60
 ctggtcctt tcttcccttc gcaacttgag ttcattattg ctaccccata gagctccgag 120
 aaatttggtc cggccatact cttccttgag agccctcttg gtctcttttt caagggtctt 180
 tgcggtaatt gcattctctt cccgtaacct ggcgactcc ttccgaacgt gtgtagcagc 240
 caacttgaac ttctccttgg cgagttttgc ctttcctaac tcgcttttga gagcttggac 300
 ttcctcgctc tcttccggtg cttcaaaatt ctcttcgctg acgactttta acttggcgag 360
 ccaatctaaa cctcgatatgc gaactttcaa ccattcggtg taccac 407

<210> 34287
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 34287

gacgtatgct ttctttaga gttatgtctc gtctcagttg aatcaattac aagcttatcg 60

taatcgatta caccgtcgat tttagacaa tgactgattt attcaagatt ctctacttta 120
atcaatcaca atgagatata atcgattact tctctttcta taagtgtttt agaagaaaac 180
aagaacactt taatcgattg ctttgagtat ctaattgatt atattgttct tgacgcgctt 240
ccagtttttg gaagaacact ctactccatt aacaagataa tctaatoatg tacttcattg 300
acctaactag ttatcttgta tatttaaccg attacac 337

<210> 34288
<211> 384
<212> DNA
<213> Glycine max

<400> 34288

tccacaacat ccaagcaaaa caacattcaa acagcactag ctatcacagc caagcaaaaac 60
agggcaaagg cagaaaactc tgctcaacac actaaccaaa atcacagctt ttctcactta 120
aagaccccag taacaattcc ttcgatccaa ttcgttaacc gttggatcga ctccaaaatt 180
ttactgggag tctatagtgc ataagcctac attttgaccg ttgggatcta ctagcaaaca 240
tccagaactt attctacatt actctttcca caaccagcaa atacatggat ttttctgcac 300
ttgtgcaaaa ttctgctgca caattttaca gcacaatctg cacaaagagc atatttcgaa 360
aaccacactt cccctcatcc aatc 384

<210> 34289
<211> 356
<212> DNA
<213> Glycine max

<400> 34289

agctctccgt tacttttttt tttttttggg aggggtgaatt ttgacaacag gcagcttgta 60
ttccattggc attgagtggc cgtgatatat gtggtagcgc cattaccggg tcaaggaagg 120
caatctcttt gctactttct ttgggtgttt gtttggttaat ttgtacgtaa tgccttgctt 180
ctgtgggttcg gtgcctgagt ttctgtatga tgggtgtttct tttaatcccc tttgatcata 240
tctgtctatt gtgcttccat gcaaaccgct cgattttccac tacctacttt acagagggcg 300
ttgcttcgtc caaaccgcat gcgtgcaata aggggtgctca ttcttactcc caccac 356

<210> 34290

<211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34290

taattgcaat tntgggtcctc gtagttttgc aaatcctcaa ttttcattct cctagnttct 60
 aattggaaca tttgggtcccc ctgggtcgggt gaacatgttt agaaataaaa acttgtgact 120
 tgacccaaaa gtcaacgaga ttgaatgggc taggttggat gtgatccaag cactactaaat 180
 gcccaacaca aattgtttgg attagtttgg tttaattcag cttcacgggt gacccgtata 240
 cttaaacacg agattttaa atctgcacctc ccatattgta tcctacacct cccaaaaatg 300
 tttgaaaaga ctaaatttcc aaaacacctc gtccatacta atcacagtcc taagacttgt 360
 tatggcacct ccttcaccog tgacaactat gacctcatcc tccacattgc accacc 416

<210> 34291
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34291

agcttatatt aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg 120
 attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aactttttatt ttcaaaacaa ttacccattt cttgaacata tcctataatc taaagaaaaa 300
 catgcaaagt cgtacgtgca catgaaattg acccaaaata ttaaactgaa aatccgacga 360
 aactaacaac attaacaaat taacacaact aac 393

<210> 34292
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34292

tgtgcaaatc aaatcactcc tacatctcat ctctagcatg cattttcttt ctttaccac 60

tcctcacgtt tgaaaacacc ataactaaac gcgccgcaag ggatccctat cgcaccagat 120
 ccaaactctag aacgatgggc gatcaagagg agacacagga acagatgaaa gccgacatgt 180
 cggctctgaa agaacaaatg gcctccatga tggaggccat gttagggtatg aagcagctca 240
 tagagaagaa cgcggccacc gccgccgctg tcagttcggc tgccgaagca ggcccgactc 300
 ccttggaac tacgcaccat cctccctcaa acatagtagg acgngaggg gacgcactgn 360
 ggcacgatgg cagccctcac ctgggataca accgagcggc ttacccttat ggattgccgc 420
 ccaactattc accaccca 438

<210> 34293
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34293

agcttttatt ctctgctgat gaagatgaat tggaggctac ttcattgcaat cctctaata 60
 caatagcatc acttctggcc gtggctcctgc aagcaaggaa atctttttct aagaatactc 120
 tcttgaggtc atcccagctc gtgatagacc gtggagcaag gtaataaagc cagtcctttg 180
 ccactccctc tanagaatga ngaaaagcct ttaaaaatat gtgatccctc tgcacatcta 240
 cgggtttcat ggtggagcac accatatgga attctttcag atgtttgtat gggctctcac 300
 ctgcaacgcc atgaccactt ggagcaaagt gactcaatca gttctaagaa catatgggac 360
 atcctcatct ggtattgga tgcac 385

<210> 34294
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 34294

tgaatttaca acgttccaat tgatttcaaa atgttggtat tgattacaat gatttggtaa 60
 tgcattacca gtatgtttga acattggaat tcaaatttaa ttgtgaagag tcacatcctt 120
 tcacaaaaaa gctttgtgta atcgattaca ctgatttggg aatcaattac cagtgatagt 180
 ttctgaacaa aatcaaaaaga tgtaactctt ccaatagttt tcaagttttt cttaaagtca 240
 taacttttcc aaatggtttt taagtttttc taaagggtat aactcttcta atgggtctct 300

gactagactt gaagagtcta taaaatcaag gctctgattt gcattttatt taaaaaatat 360
tcattcattc tttagacaac aaacttttgc caattgcttt ctgaatatct ttgaactcct 420
tcttcttc 428

<210> 34295
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34295

agcttctttg aganaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc cttaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaatct agaacttagc 180
tacacacccc caataatagc taagctcacc cccatgacaa aaaacatgaa aatacaaaaa 240
aaaaagtcct tactacaaag actactcaaa atgccccgaa atacaaggct aaaaccctat 300
actactagaa tggccaaaat acaaggccca acctaaggaa aaacctattc taatatttac 360
aaagataagc gggctcatat ttagcccatg ggctcgaaat cta 403

<210> 34296
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34296

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aaccatttgc atagcacaac ttgtgaaact ttagcatcat ggataacaat caatatataa 120
atctaggtgt acctgaaata attgctactt tagaatacat anaatggccg tgcttaaaga 180
atcaatggat cgttgatcat gtaatatcta cctacaagaa agtggtttttt atttttatta 240
ttatacaatg gactaaacta ctataaatta atcgagataa tattgtagag tacgcaacga 300
attggatcta ttaaaacaaa tattcatgat tataaaaata gat 343

<210> 34297
<211> 363

<212> DNA
<213> Glycine max

<400> 34297

tagcttctat ggaggctgga tctttgagct tcaataaggt ccttcaatgg tgatttttagc 60
catggagttg tagcggagga taaaggagaa gaggtgagag gaggcgccat ccactagaga 120
ataagccatg aaaggagaag cttcatcacc aagagctcct tggataagaa gtttagaaaag 180
gaaqcttcaa tggaggaaga gaatgagaga aagagagaag ggggggctg gaaattgaag 240
gagaacacgg agaaaagttg aactttgaag tgtgtctcac aagtttctca ttcacaaag 300
ttatggcaag tgttacacat gtttctattt atagcctatc acatgggaaa cttccttgag 360
aag 363

<210> 34298
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34298

taagggtaaa ttagaccaac tatgggttgg tgtcctcatt agcaagtttt gaagcaccca 60
gcagtggcag gatTTTTgac tcattgtggt taaataaccc ctcattatag tgcagtactt 120
gaccctgta tgctataatg cagttgctac accaaaccaa atacttttta tataatatgt 180
tcaaaactaa agtacttaaa taaaaactgg agaaacaatg ttgggcttgg ttggaaaagg 240
gtgaaagaga ggctgaggga caggaaaatg cagagggtat agagacaaac aaagcatgaa 300
taggtgtttg gctgctggaa acttgagaga gcaaagtgtg gatgagaaac aagcatatgc 360
ggcttcacga tgcanaaaca aggggtgaagt agtggcaata tgctat 406

<210> 34299
<211> 283
<212> DNA
<213> Glycine max

<400> 34299

tctcctttag tttctctagc ctatacgtag cgggttgctt gacaacgaag gaacatgcac 60
gtcagatctg cggaagtgc ctcttcatac tagaggcctc acggacgctc taaggactct 120

tccttacctc atatccaaac gctcaatctt tcaggcctaa acaccataaa atctattaca 180
cacacaaaca actactacaa ttcattgctt cactatcttt aaacttttaa caagcaaadc 240
taccataact attctcgata caactgcttt tatcataaca tat 283

- <210> 34300
- <211> 416
- <212> DNA
- <213> Glycine max

<400> 34300
actcagcttg aattagtaca agcctacagg tccacagtgt gtttctagac tctccccagc 60
aggttgggtc tagctcgggt cttgatgaaa cctattggat aatgcctaaa gaggcccaag 120
tcgcactaaa ttgtgatgta agaattgtcc agtttggtaa agttgtacgt tatggaggag 180
ttattcacia tcatgcagtg agatttattt ttggttttaa gctcagtcac gagaagggtt 240
tgtcctatat gggggatata agtctattct taatagcatc aaacttgctt tgaatataag 300
gttctactca attcatattg actcatgctt agttgaggct attgaagcgc tacaggataa 360
ttgagatcgt cttcgtactc attaccaact aattcaagag atccatttgg tgcattg 416

- <210> 34301
- <211> 387
- <212> DNA
- <213> Glycine max
- <223> unsure at all n locations
- <400> 34301

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggat ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120
ccagatttac ctgngtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcattcactc 300
atgagttctc tgcagccatt acaccacaac agaattggat agttgagagg aaaaacagga 360
ccttgcaaga ggctgctcgg gtcattg 387

- <210> 34302
- <211> 392

<212> DNA
<213> Glycine max

<400> 34302

tcaacattca atttcgagcg tctcgatata tgacgggttc taatcagaca tccgagtaaa 60
aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatat 120
attgcgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcggag 180
cttcaacatt caatttcaag cgtctcgata tatgacggga ctcaatcaga catccgagta 240
aaaagttatt gccgttggaa tggcttaaaa ggtaacaat taaatttgaa ccgcctaaat 300
atattacgga actcattcaa acttccgagt aaaacgttat tgcgttgga attgcctaag 360
aggttcaaca ttcaatttcg agcgtctcga ta 392

<210> 34303
<211> 350
<212> DNA
<213> Glycine max

<400> 34303

tgcttttgct agttggaatc atttatacta tctccgacag ccaatgggtg agtctcgtcc 60
agatagtccc gaagaaaacc agcctcaccg tgatcaaaaa tgagaaagag gagttgattc 120
ctactcgggt gcagaacagt tggagagttt gcatcgacta taggagactg aaccaggtta 180
ccaaaaagga ccattttccc ctgccattca ttgaccaa at gcttgaatgc cttggaggta 240
aatctcacta ctgcttcctt gatggttttt ctggttatat gcaaactact attgcccta 300
acgatcagga aaaaaccaca ttcacttgcc ctttcggcac ttttgcctat 350

<210> 34304
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34304

ctttcgtctt acagacagca aagaataatg gttatactgt tcaccactcg agtattttccg 60
ccagtcagcg tgactcaa at gtcagtatga cagatcttgt gagcgcggaa gatgacgtaa 120
atctacgcgt gtcaacgggc ttgtcggccg tgattgacga agggagcaga agactacggt 180

agtcctctgcg tgccatcaag cttttcgtct tacagacagc aaaaaataat ggttatacgg 240
 atcaccactc gagtatttcc gccagtcagc gtgactcana tgtgagtatg acagatcttg 300
 tgagcgcgga agatgacgta aatctccgcg tgccaacggg cttgtcggcc gagattgacg 360
 aagggcgcac aagacgacgt tagtctctgc gtgctatcag gctcttcgtc ttacagac 418

<210> 34305
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34305

cgcttataaa gaaaaattat gacatgattt taaccaatc acattatggt gaaaagttat 60
 tgaagaagtc taattattct gatgtgaaac ttgtttctac ttcttataac tcattcatta 120
 agttaaagaa aaacttgagt aacggaattt cttcacataa atattctcaa attattggct 180
 gcttgctgca ttgacaaaac ttctctaagg ctgacattgc atatgcagtt gatagattag 240
 aaagtaattg agggatttag tgatgcacac tggatttcta attctaacta aacaaaatcg 300
 acaagcgggt atgtttttac 320

<210> 34306
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34306

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 cattcagtg caagatgaac aaaggctctc tcaacttcag ggagttcttc gatccttata 120
 tgcaatgatt ctccaattgc atgtgcttct ttcagtggaa gatcctccgg tagttctatg 180
 tccacctggt tatgtccaac atggatacga atttcaaatt agtttatata aaattccctt 240
 taaatttggt aacatcaa atgtgtttatg ttaatacata tcacatggag attgggttaaa 300
 gcacatggtc ctacatcaca taagaagttc cttctttatt gagaaaaaca tgttttaagt 360
 tctataaata ggataaatta ttatataatn tgcgaccaan attatatatt ccgaactagc 420
 tntacataat 430

<400> 34309

tttcttggtg acacgtggag atttacgtta tcttccacgc tcacaagatc tgtcatactg 60
acttttgctt cacgctgacg gccggaaata cccgagtggg tatccgtata aactttttgc 120
attctgtaag acgaaacgcc cgataacacg cagagactaa catcgtcttc tgcgaccttc 180
gtcaatcgcg gccgacaagc ccgttgacac ncggagattt acgtcatctt ccgcgctcac 240
aagatctgtc atactgactc ttgagtcacg ctgactgccc gaaatacccc agtggttatc 300
cgtataaacc ttttgctgtc cgtcagcaca aaagcctgat accacgcaga gactaacgc 359

<210> 34310

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34310

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cagcgtgact caaaagtcac tatgacagat cttgtgagcg cggtagatga cgtaaacttc 120
cgcctgtcaa cgggtttgtc agccgcgatt gacaaagggc gcagaagacg acattagtct 180
ttgcgtgtta tcaggccttt cgtcttacag acaacaaaaa gtttatacgg ataaccactc 240
gggtatttcc gcccgtcagc gtgactaaaa agccagtatg acagatcttg tgagcacgga 300
agatgacgta aatctccggg tgtcaacggg cttgttggcc acgattgacg aatggcgacg 360
aagacgacgt tagtctatgc gtgctattag gcttttcgtc ttacagacag ccaaaagtct 420
atac 424

<210> 34311

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34311

atctaaccct tgtagtagtc atagaagtca agaagattgt tagttatgaa tgcagaaaag 60
agaaatgaga aattgataga aacaaacaaa ggaagaaatg gaatgttagt ttcattaatg 120
taaaaggata gcttgttttc aatagaagat atttcattaa agttctatta ttttaacaat 180

aaataattaa tttattaaaa tgaactcaat cataaattgt taattaagta tgatataaat 240
 ttgtcaagtt tttcacaaat tgaccaattt tatattaatt acttcaaaaa tgatatttat 300
 gacaatttat aattaaatat tattagttaa aatattctac ttagtgtatc gaaattaaaa 360
 ttttaaataa ttgatatata ttgcgtataa ttatttcn 398

<210> 34312
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34312
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 gcgcataatcc acttghtaatt ccaaattgtc aaacctctca ccaacaaagg tttgaagacc 120
 atcaaacctg tccaaaatct ttgaaaggag agatgaatct tctccatcat gtccttctac 180
 accaacaatgt cgaccacctt tcttcaccta agagccatca tgctcctttt gataacccaa 240
 agatgctatg actgaagcgc ctataaggaa agatctcttg attggaacat aagggtcaca 300
 atcaagaggg atgttgaagt gttgaaggaa aagggttaaca agatgagggg aaggcaatgg 360
 agcattcaat cgcaatgcct tatgcatgcg atatctaaca agatgtgccc aatcaattcg 420
 taaaccttta tg 432

<210> 34313
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34313
 ttttccaact atagctcaat tatatttaaat agttacatat aaccgttttg cgcgttgtaa 60
 aaaagtaatt tttttagtag tagtaatagt cattcactct ataagtccaa caaaataaat 120
 actttccttg tgtccatagc gctgcctatt aagtatacca ttcattgaaac ttacaaatac 180
 ttttactata atataactat attaaaatat taacttgcac taatatatat taaatataaa 240
 cataatatta atatatatat atatatatat atatatatat atatatatat atatatatat 300
 atattaacgt cgatgtatat caacatgata tattaaaata ttaatataga tctacattaa 360
 tatacatata tcacaatatg aacgcataag tacg 394

<210> 34314
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34314

tcttaatcca taaatgaatc tttgcaaata gcataccttc ccagcttcct tcgactaagc 60
 aaaaccctcg gggttatgta tgtacacatc cttaagaaga ttcctattaa ggaatgtagt 120
 cttgacatcc atctacaaga cctagtcatg gtacacaaca acaacaaaaa gaatccaaag 180
 aaatttaagc atcgcaaatg gtgagaaggt ttcacatag tctataccat gaacttgctt 240
 gaaacctttt gccactagtc gtgccttata ggcattcacc tttaccatcc atgttagttt 300
 tcttcttaaa gaccacttac accttatgag gttttacccc ttaatgtgaa tcaaccaacg 360
 tccaaacttg gttaatgtat atggactcca tctcagatcc cacaacctta agtcacttct 420
 catatccagg cg 432

<210> 34315
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34315

ttttatgcct tggatcttct tcatcaatgg agtcctttgc ttcttgaaga tcaatggcag 60
 cagaatggag aatgaggaaa gatgattgga gacgccactt caaggagaag atgagtcaag 120
 aacaacctca ccaccatacg aagccatgga taagagctta taggtaggaa aagatgagtg 180
 gaaggagagg gagagaaggg gcacgaaatt ttgtgcctca aatgaggtct taactttgaa 240
 gtgtaattct caaatgatca aagttgaaaa aatgcacaca cgtgacctta tttatagcat 300
 aagtgtcaca caaaattgga gggaaatttg aatttctatt caaatttcac ttgaatttga 360
 aattgaattc gtggaaccaa attttggagc caaaatttca ctg 403

<210> 34316
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34316

cttatccaag gctcatcttg gtggagaagc tccttcttcc atggcttatt ccctagtgga 60
 tggcgccctcc tctcacctct actcctttgt cttccattgc atatccatgg tggaaaatca 120
 ccattaaagg acctcattga agctcaagat ccaacctcca tagaagcccc acaagcaagc 180
 tcccatcaag tggtaatcag agcacaagag catcaagtag gtgctcctta aacctccatt 240
 aatTTTTTTta tgctttacct tctcttccat tgttgtttct tcatgtctct ccatttatct 300
 cctcacatgt cttgagataa atgttgcaaa catgattctt tagagtttat acttattaaa 360
 ctatctatac aagctagatt agattctcta tggctcaaat ctctagactt gttcttgatc 420
 atgaatag 428

<210> 34317
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 34317

accactacca tacacatggg tggaaataag acatgttggg cttacgtcct atccacaatt 60
 cataaggatc tcttttaaga ttggcctaata ataaatttta ttttgtaaata aatagacaata 120
 gtttattggg tcagcccata agtgtttaag ggttgagtga tctaactaagca tggctcctagc 180
 catttcctga agaaatatac ttttcattta cctctaaaca tattctaatt tgggtgttctt 240
 ggagtggaaa attgtgggtga ataccaatct cttcacaaaa tatttcataa tatcattttc 300
 aaattctccc ccatgattac ttctaattga agagatacat gataatgact attgaattac 360
 tccaaaacag ataaaacta 379

<210> 34318
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 34318

ttgaaattaa tagtatacac acattgtttc tgtatatata atgtccctgt atatattgtg 60
 taacaaaaaac tgtaagtaca aataaaatta acaagtgtgt atgctgtaat tccatggatg 120
 aaactaagt gcctaaataa agggcaagta tgggatagga atgaatgaaa aagtgaagggt 180
 tattctatgg atgaatgctc tcctagaacc taagcttttg aatcctagaa aaaccatgaa 240

ttgttggcag cctaacccca ttacaagcct agaaagtcct tcggattcat tttgtgtgtt 300
cattgttgta tcatgtgaga tgaaatgcaa acgttgggac ttgtgctagt tgtttatgat 360
ggaataagcc taaacacttg agcttgagtg aaacaatgac g 401

<210> 34319
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34319

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atgcatctag tgtgatggcc ctagttatgt tggaggatcg atgacgttcc cggaatggga 120
ttaggactat gacctcgggtg actttactat gcctgtatat agtcttagga gatcgtggga 180
cagtatggat tatgctatga cccactgca tgcattgctt ttgagaatct taatgggaac 240
gatgggcggt ggtcaaactc cacagttgta acaatatcgc gaaggaaacc cgtcataccg 300
catctactga gcgttataag caccgttctg gtagacgatg gactactgac gttttatcga 360
ccatgatgct ccgagtgcgt cggatatgac tcgaccttgg cctcctggat tggagacgtg 420
gtattggcga ttggtggata cccgcgacat tgatccaggg atgctcatgt atacgctgac 480
ggtn 484

<210> 34320
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34320

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tttaccact cctcacgttt gggttttttag ggaaaacact ataactaaac gcgcgcgaag 120
ggatccctat cgcaccagat ccaaacttag aacgatgggt gatcaagagg agacacagga 180
acagatgaaa gccgacatgt cggctctgaa agaacaaatg gcctccatga tggaggccat 240
gttaggtatg aagcagctca tagagaagaa cgcggccacc gccgcgctg tcagttcggc 300
tgccgaagca gacccgactc ccttggcaac tacgcaccat cctccctcan acatagtagg 360

acggngaagg gacgcactgn gacacgatgg tagccctcac ctgcg

405

<210> 34321
<211> 343
<212> DNA
<213> Glycine max

<400> 34321

ctccatttca tcgaagcgca tggccgctag taacaccaaa tcgtcaaacc tctcaccaac 60
aaaggctaga agaccatcaa acctgcccac cacctttgaa aggagagatg aatcttcacc 120
atcatgatct tctacaccaa catgtcgacc acctttcttc acctaagagc catcatgctc 180
cttttgataa ccaaaagatg ctatgactga agcgcctata acgaaagatc tcttgattgg 240
aacataaggt ccacaatcaa gagggatggt gaagtgttga aggaaaaggg taacaagacg 300
agggttaaggc aacgggagcat tcaatcgcaa tgccttatgc atg 343

<210> 34322
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34322

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aacaattttt atactagtct actctctatc tctagagaag ctacttcagt tatctaattc 120
aatatgaatc ggattttcac catgcacata gaattcttac aaacaatcac aatcaatctc 180
agttcttccc tagaaaaaag gactaaggta cccaacccta ggggtcccttg tgaatacgag 240
cctaagagac acctaccctt atcccaaaact agaaaatcct attctagcat atatgccttc 300
aaaaattcat gcatatgcta acaacatgta aaacacatga aaaaatgagt cagagagata 360
cacaacctga tcattcacat gcaagaacct tttcttggtt n 401

<210> 34323
<211> 427
<212> DNA
<213> Glycine max

<400> 34323

cttaaagagg tccacgaaag ataaagcggc cgtttgaacc agttccgctc ccgagtatga 60

cagccaccgc tttatgagcg ctgaacacca gcagcgcttc gaggtcatta agggatggtc 120
 atttctccgg gagcgacgcg ttcagctcat ggacgatgag cataccgatt tccaggagga 180
 gatagttcgc cgggcgtggg catcactggt tccccccatg gccaagtctg acccagacat 240
 agtcctcgaa ttttatgcct atgcttggcc tacggatgat ggcgtgcgag atatgagatc 300
 ctgggtgagg ggtcagtgga tcccgtttga tgcggatgct atcagccagc tccttggata 360
 tccttttagtg ctggaagagg gccaggagtg cgagtatggc cagatgacga accggtccga 420
 tggtttt 427

<210> 34324
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34324

tgcaatctta gctttattcc ttacaaccac taccatccaa atgggtggaa ataagaaatg 60
 ttgggcttac gtcctttcca caattcataa ggattccttt taagattggc ctaatatataa 120
 ttttattttg taaataatag acaatgttta ttgggttcagc ccataagtgt ttaaggggtg 180
 agtgatcact aagcatggtc ctagccattt cctgaagaaa tatacttttc atttacctct 240
 aaacatattc taatttggty ttcttggagt ggaaaattgt ggtgaatacc aatctcttca 300
 caaaatattt caaaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga 360
 tacatgataa tgactattga attactccaa aacaaataaa actan 405

<210> 34325
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34325

ccttgagaag ctntctcgag aagattccta gagatgctag agcttagcta cacacacctc 60
 tctaataact aagctcacct cttaagatg agaagctaga gcttagctac acaccctta 120
 taatagctaa gctcaccccc atgccaaaat acatgaaaat acaaaaaaag tccctactgc 180
 aaagactact caaaatgccc tgaaatacaa ggctaaaacc ctatattact agaatgacca 240

aaatacaagc ccaaaaaaaaaa ggaaaaaacct attctaatat ttacaaagaa gagtggactc 300
aaccttggcc catgggttca aaaaatctac ccttaggttc atgagaacc tagggccttc 360
tttagcaact ctagccgaat cctctttag tcttctatcc aatacccttg gggggttgga 420
ttgcatcag 429

<210> 34326
<211> 392
<212> DNA
<213> Glycine max

<400> 34326

cttgcttaag gaaaccaagt tcagtatcgc ttatgccaat gacttggttg tagaaagaac 60
cattttgtgt ggggtgcagac gggcaacaac ttccaattga ggagaaagaa taacttcttc 120
acaaatcttc tcagtccaac atggaaatgc aacctatttt taaaaaaaaat aggtttttta 180
ctagctacaa acaagttagt aagttgtaac cctatcctag aaacaaaaca ataaccatt 240
tcctagttac aaaacactaa tccatctaaa gcaaagaatc ttgcaagtta aaatcatagt 300
tgctcatgag atcttcaact ccattatttc caataacatc tccttcatca ttcaaataca 360
taatgtcaaa atcttcaaaa ggcgggtgatg ct 392

<210> 34327
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34327

tctctcatgt cgcgccagtc agccaattcg cgtaataaac gnagattatc ggcgggtgcat 60
ctttccntc tcnccagag cgcanttggt gatgcactcg tattccngga cactatanta 120
tactcaagct tgtgctaaag gaagacataa catgtgttga gatgccttta accttacctc 180
acatgaaact cgatgaagat gggatgatta accagttcga tacagataga tggaagccta 240
atagaagaag cctgggtgtt gctaaggtaa gaaagaaggc tcattatata tcatgcacgg 300
aaaagatatg cacaaggga agacaaattg ttgcttcaag atgcaactca aagaatttgt 360
ggcacataga tattggcgac acttcgagtg aagaaagggt cgaaagtttc tagccaaatg 420

atctactttc caaacttta agaggcaacc cacttgaatc ccttgaagat tgtcttgcag 480
 gtaaataatg cagagtgtct ttccaaagat tgaatgaact agaaggagat agcatatcct 540
 tgatcttgtc cacttagata tctgctcaat gg 572

<210> 34328
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34328

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 tggatatctga ggatcactta aaattagtga gaaaaattgt ttccgtgaag aaaatccaaa 120
 ctgaggcgct tctgtaatgc ttccaagacg attccgtggg cgatttcgca aaggtttttc 180
 gccattcttc atcattcttc gtctgctctt cagtcttcaa ccggttaagtt cccgaaatca 240
 aacttttcaa ttcatcttat gtacccttag tggctctcat ttgtttcgca tgcttttatt 300
 tttatttcat ttacttttcg taccctctt tgacgtgctn tagtaattta ttttaagtc 360
 tttctcgcat cctcaaaact agaatgaatt tccaccg 397

<210> 34329
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34329

cgacgagctc ttttgatgcg atcgctagct atgtcagnga cactatataa tactcacgct 60
 gtaggctgtt caattgcttc agattgttgc ccagaatggc aaaggctctgt gtgggtggctg 120
 gcagaggagc ataaaccaca aagtctggcg atagggtgcag atttttttatt cattgccagt 180
 tggattacca ggtaaccaa ggcacttagt ttaccttcaa gcttcttagt ctcaattgat 240
 gaaatgaatt cgtggctact tcatgcactc ctctaataac aatagcatca tttctggcac 300
 tgaattgctg ggagttggaa gccatcttct caattaaatt tctagcttca gcaggggtta 360
 tgtctccaag ggctccacca ctggcagcat ctatcatact tctctccatg ttgctgagtc 420
 cttcataaaa atattggagg agaagctgct ctgaaatctg gtgggtgaggg caactagcac 480

ataatttn

488

<210> 34330
<211> 386
<212> DNA
<213> Glycine max

<400> 34330

tgcaaacttt gtgaactata tatttcaaga caaatagaat tggagctcaa aagacaatgg 60
cacttgagac ttatgctacg tatgaaagat tgaagtatat catggtatTT tttaaaattg 120
tttacattag tataaatata tttttcctat taaatcaata ttaaaatatt gttactTTTT 180
tttatttgta ggattcaaag ataagtattg aggctcacag taattcatag agattgtttg 240
actaactgaa ctagacctca taagtgatat atatatatat atatatatat atatatatct 300
atatatatct atatgtatat atatatatat atatatatgt atataatcat atcttgtctt 360
tagttgacaa cacccttgca tgatag 386

<210> 34331
<211> 443
<212> DNA
<213> Glycine max

<400> 34331

ttaagcttgc aacggtatga aataataaca cacacaggag ttaatatctt catttatgtg 60
ttaaaaaaac tatgagtagt agataaaaat aaaaatgtat gttgttattc aagaaaaaga 120
aaagctaagt gtggaaaggc tagtaacaga gctggagtaa aaagaaaaag gttaattctat 180
ggatgaatgc tctcctataa cttacgtttg cagcctacaa aaaccatgat ttgtttgcag 240
cctagcctca ttacaagcct agtcaaagtc cttcggattc aagtttgtgt gttcttgact 300
gtatggtatg agatgaagtg cacagattga gacttatgtt ggttggtgac tgatggatag 360
cctatacact actgcttgag tgaaataata gctgtgaggc tttggttaat aatcctgtct 420
tgatatctat cattcctact aac 443

<210> 34332
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34332

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agctttttga aaaacaaaaa ggcacatcca aaacatccaa ccaatatcaa actttttacac 60
caccaagcta tcagcaaata tagcacctaa taattagaac ttgataaaaa ataaataaga 120
attctgcaca aaggggtata ctaagcccaa ctacatcaag atatgttcat caaagtgaag 180
aggacataca agaggtccac tactcatata tgatgacatg gaaggcattt ttagcctagc 240
cttaagccaa aacaactcct aaccttaatc atgtcaatca cctcagcaaa atccaactat 300
gctcaatgga aacatattat gattcaatgt taacaatagc ttccagcact ccgagactnt 360
gtttccatgt gccaaatcat agag 384
```

<210> 34333
<211> 424
<212> DNA
<213> Glycine max

```
<400> 34333
caattgatgg caaaaactta tgtaaagat aattattcct tgttttgtca cccattcaa 60
aagatgtcca aattctttat tgttctcatt gtcaatccgt cagcttatcc tcaagcgatc 120
catgtatgca gaaggccgtt tatacagtga atttaagatg gcttacgttc taacctgcct 180
catcaacctg tcaaccattc acaatgagag tgctagttta aatattataa aataaaaaat 240
ataaaaaatc tttcgaagag gctaaataat tgttgttact aaaccttata aaaacatcat 300
aaatggttca aaactttcaa atgagtctga aaacataggg acatgtcata atttttcaaa 360
atagatgaaa cgcgaaagtg atcctataac agtgtaacca aacatgagat acacatctcc 420
accg 424
```

<210> 34334
<211> 220
<212> DNA
<213> Glycine max

```
<400> 34334
gagtcgagaa tactctatta tttatttggg caagtttgaa tatgatgtac aagaaaaatg 60
aatgtgaacc tttttccctt ttgaaagact tgtaaaaaaa aatgttttaa aaatactttt 120
aattaatatt tgaatttttt ttatctotta ttagcatata tgtgacgggt agacgggtgtc 180
```

acaagtggta cctcgacacc ggcgcaagca accacatgtg 220

<210> 34335
<211> 436
<212> DNA
<213> Glycine max

<400> 34335

tccaacggta agatataata acacacacag gagttaatat gttcaacatt gtgttaaaaa 60
aactataagt agtaaataaa aataaaaatg tatgttggtta ttcaagaaaa agaaaagcta 120
agtgtggaaa ggcaagtaac agagctggag taaaaagaaa aagggttaatc tatggatgaa 180
tgctctccta taacttaagt ttgcagccta aaaaaacat gatttgtttg cagcctagcc 240
tcattacaag cctagtaaaa gtccttcgga ttcaagtttg tgtgttcttg actgtatggt 300
atgagatgaa gtgcaaagat tgagacttat gttggttggt gactgatgga tagcctaaac 360
actagtgctt gagtgaaata ctagctgtga ggctttggtt aataatcctt ccttgatata 420
tatcattcct actaac 436

<210> 34336
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34336

actaattgtg atttgtgatag acaaaagaga gagccttgtg cttcacgcac tgacttactt 60
ttgtacatgt ttgattattc ttgctgatat ctgatactct actntattgc catgtattcg 120
catcatctag aaccataatc tacctcttgg tttgactcac catttgtgtc tacctagctc 180
ttgtattaag atggcaacca tacgaaagtt tc 212

<210> 34337
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34337

ctagcacact tcagagatct tcgaaaagat cccaacggtc agatcattga caagtgtcnt 60

<210> 34340
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 34340

```

ttttctcggc gttggggaga ttcatatata cggtcgaacc tgcaccgggtg tcctctgctc   60
gcatectctt tccagggata ttagggagag aaccgtgtta ctcttattac agctcacctg  120
atgtagaatg ttgcacaacg gtgagctgga acaaccaaac tggttcccaa agacccgaat  180
aatctgttat ctgtcttatt attaaagaaa acatgcacac gcgcctaaag cgcttacttg  240
tatagggtgcc ttgattcccc tgaatttggc tccatctaata ggagtgataa tatgcgccta  300
aaattatgct gttattcgaa cttagattta acattatttc tttctttaag gcgttagcta  360
taagtatatc gctaagatta ttcccttttg tttggcccg                               399
  
```

<210> 34341
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34341

```

agagtgggtt tgtgcttcgc tcntcgnac actagagaca ctaaaactta tcgcccttac   60
gcactttacc ttatttagaa gaatctttgt gtgtattgtg aatacagtta ctgcgataag  120
gtgacattgg cttaggcatt gactgaaaga agatcttggg gaaacgaaat gagagtgcct  180
acaatttagc tcatgcaact ctatttcatg ctgatgcacg agacatagta tattatactt  240
tgatagcttc ttctcctata actggacatg agatatgact atcgcatcga cgtcatatca  300
gactcgaca aaatggttca cacagacatg atcactatct tgatgagaaa aaggataccg  360
agctctgccg acagtgacta taacatgtac actactcatg cttcttagca ctcatgatta  420
tatatactca tgccctttgc acaagcgcaa gccttaggat tggagcgatc cttgatgcat  480
agat                                                                                   484
  
```

<210> 34342
 <211> 374
 <212> DNA

<213> Glycine max

<400> 34342

gtgaagaatt cagcttgaca tccatttata gtggtcacag ctgatgataa agcagaggta 60
 tgtacaacct tgacatgctt tgtgttcata aaggagttct gcctcaattg gtttagatggc 120
 atggttgctt gtaattttct gtctgcatat gaaggaagtt tgagttatat gctttattgt 180
 cccaataaaa tggctgtcat tgctagtaat taagatgctt catggtagta tagattggta 240
 ctatattgtc tcccacatac aaatatttaa tctgagaagt acgttggtgg tagatgctag 300
 tgtatacaaa agtcagttcc gagctctggt attttctttg ttcttgcgac tgttacctat 360
 ctgtgtaata ctag 374

<210> 34343

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34343

agcttattgt cgtttgaatt tgctcanagc ttctgttctg aatttcgagc atctncatat 60
 actacgggaa acaatcggac atccgagtaa aaaggttttg ctgcttgaat tttctaagag 120
 gttatgattt caattctgag cgtctcgata tattacgaga ctcaatcacg catccgagta 180
 aaaagttatt gtcgtagat ttttcttaca gcttctattt ccgattatga gcgtctcgat 240
 atattacgag attcattcgg acatccgagt aaaaagctat tgcgctoga ttctgctcaa 300
 agcttctgtt atgaatttcg agtgtctcca tatactacng gacacaatcg gaca 354

<210> 34344

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34344

ntgagcaata tcaaacgaca ataactgtct actctgatgt ccgatttgtt cccgtagtat 60
 atcgagacgc tcaaaattta gaacacaagc tctgcgcaaa atcaaacgac aataactttt 120
 tactcagatg tccgattgtg tcccacagta tatcgaggcg ctcgaaattt ataacaaaag 180

ctctgagcaa aatcaaacga caataacatc ttactcgaat gtctgattgc gtcccatagt 240
 atctcgagat gctcgaaatt taaaacagaa gctctgagca aaatcaaacg acaataactt 300
 ttactctga tgtccgaatg agtcctgtaa tatatcgaga cggttgaaat tcaaacagaa 360
 agctctgagc taaatcaaac gacaataact ttctactcga atgttcgatt gtgtcccgtg 420
 aataacgaag 430

<210> 34345
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34345

agcttgatat gaggaagtgt tgaaggggtga aactgtctgc ttttattgct gaccacacag 60
 cggtagctgg agatatgtcg cgggggtcag gagacctcgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccnga cccaacccgg gcatagtcgg tcaactgagaa 180
 cctgtgatgt acctaagcac gcgagctcct ggagtcacac agatacaacg aacaaagacc 240
 acacagcaag gaggcttgtg gtggctggcc acctgcgaaa cttgattgat atgtgagata 300
 tgggtctctgg caatc 315

<210> 34346
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34346

tgagatgagg aagtgttgaa ggggtgaaact tcctgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggg ggtcaggaca ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aagcaggcga tctcctggca gtcaacacat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggatggcgg 300
 cctctggtaa tcgattacaa ggcttaaaat tgaggacagg aggctaagat ggtctctggt 360
 aatcgattac caaggggtgt aatcgattac caggcttgaa aacgaagcca cgaaacttac 420
 ggagcctc 428

<210> 34347
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 34347

cagcttttct gattaagttc aacaagccat cactgcttta ttctccttcg attaaactata 60
 tgcaaccgca caacattatc ttctgatcgc atggatctga tggttatatg gcgccaaaca 120
 agtccctttc gcattcagat cctgagagtt tttctaattc ttgtggcggt gcgtttaaca 180
 accgcggtgg tggctggtag cactgcaccc gcggaagaag ccgggggtcgt ggttggcctg 240
 ctaactctca cgtgcaagtc tgcctgaagt atggtcacac tacctcactc ctgtattatc 300
 gacacgagca acattatcaa ccacacccaa ctctcgtcgc tcaggatcta ctactatgcg 360

<210> 34348
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34348

tcgcaagttt gaaggggtatt attattatgg cacagtttta tcacgcatgg tcgcctgaag 60
 ctgctcttga atgggggaggg tgtgtcttct gttttggagc acatagatcc ttttctctac 120
 aagtgcagat cagttcacac ccacaagaga agaacaaggt acgcagggtc ttctgccaga 180
 atttactatg catcaacatc atctctgagt agcaaaagcc accgttgtaa tgcggaggca 240
 cgtcacactt ctggcaatgg gagtgttcat gatgaatatg atgacattga tgatgatgag 300
 gatgacgatg atgacgagga ggacgacgag gatgtgtttg acccacatgg cttgtcttgt 360
 atccggagtt tgggtgttga cattgcttac aggccacttt catctcttac acaatcgcat 420
 cttttttaac ta 432

<210> 34349
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34349

agctttgttc tatccctang cataaaaccc attaggtggt cctctccatt tctaagttca 60
 aaagcatttc ccaatgacaa ttcaaacctt caagcaaagg gtgatcaagc caaaacaagc 120
 attaatgcat agaagagaac acttgataat gaacaataaa catagattaa taatcaaaat 180
 gtaaacatta cgatggggtc acttacatca accccaaaat gggtaaattct aactacataa 240
 ctaccagaag aaaagaagaa aatagatgaa agagatgatg aaaaatggca agagagagct 300
 tccncgctgc aacctacaac cctagatagt tctcctaacc aaatctttct tcaattcgca 360
 tccttggaac ttanatatgg ccaaacacac t 391

<210> 34350
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34350

tgtcntgata attttgctca atttctttgc tttcttggtc ataagctttt cctcttttct 60
 tctcgagcaa tagcctctgc ttttctttat ctcgatagtt atcgcaccta atatgcagtt 120
 aatcatctat gtgtgggtgat tctctgggtc aagcttgatt cgtgatatgg tatcagagtt 180
 cttccattga agagctctgc tgcacaatca agagaagttt tcaaagcaat ttatcctttc 240
 ttcacctctg ttttgagttt tgtaacatct caattttcgt aaactagatt aaaaggaatt 300
 gttatttata aataaataga attctaaaaa taatgatgag atttttataaa taaataaata 360
 acgagatata attattaatt aaaataataa ttcgagagaa aataaaaagg atattttatt 420
 catctgttt 429

<210> 34351
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 34351

aagcttgctt gattcgctag agcttagcta cacacgcgcc tctaatagct gaacggacct 60
 ccctgagaag ctagagcata tctgcgcaca cgcctctaata gactaagctc gcctccttga 120
 gatgagaagc tggagggttaa ctagacacat cccctataat agctaagctc accccatgcc 180
 ttaacacaag aaagtactat aatgtcccta ctacaaagac tgctcaaaat gcctgaaat 240

acaaggctaa taccatatac tactattatg agcctgatac aacgcccga c gatggaaaa 300
acctattgta atatttacia agaagagagg acccagcctt ggcacatggg ctaaataata 360
tacccttacg ttcataata acctagagcc ttctgttgca gctct 405

<210> 34352
<211> 306
<212> DNA
<213> Glycine max

<400> 34352

agcttcacct tctggctctc ctcatagttg ttgcatgaga aaacatgctc tattttcatc 60
tcccactcca agtaggcctc cggatcattc ttccctttta atggaggaat gttgagtcta 120
ataccatcaa ttcggctttg tctacgaaca ccatcattcc ctcttctctc cttttcttct 180
tcattatgat ctctattctc catttgatac aacctctcat ggagcgcac atctcgttgt 240
ttcattaacc tctccaaatg ttgcatcaaa gcttgcatct ggaattgcga aagccccact 300
ccatca 306

<210> 34353
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34353

gtgcacatcc acaatgcgcy cataaaccce ccatccctg ttgcccacct ccaactgagc 60
tcacgtactc ccacgtagcc catctcctcg tttctctcaa caccgggtcc ccatcaatcc 120
tctcaagctt acacaacatc caagcaaaac aacgttcaaa cagcacaagc tatcacagcc 180
aagcaaaaca gagcaaaggc agaaaactct gctcaacaca tgaaccaaaa tcacagcttt 240
tctcacgtaa agaccacagt aacaattcct tcgatccaat tcgttaaccg ttggatcgac 300
tccaaaattt tactggaagt ctatagtgtg taagcctgca ttttgaccgt tgggatatac 360
tagcaaacat acagaactca ttctgcacta gactntccac agccaaccac acacaagca 419

<210> 34354
<211> 329
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34354

agcttcataa tgacaatatc ttggaccgtt gtcgccattc tagagctcaa ttccactttc 60
ccctccgctc aaaccacatt gtcgggtcct ttgtgatttc caaccctatg atccctatca 120
aatgcctctc atcgaaggac atggtcattc gacacaacaa aggcttctac tgttggaana 180
gagaacgtta tacgaattaa ttgagagaaa tagacgagag aatatctgaa agacgactag 240
cttttatgac ttgagaaatt tcttggtttg gctttctttc tttggctttc nttggttcac 300
ttacaaatga caatctttcc cccttttat 329

<210> 34355

<211> 437

<212> DNA

<213> Glycine max

<400> 34355

tgcttgagaa acttccttga gaaacttggt tgagaagctt tcttgataag ctagagctta 60
gctacacacc cctctaatag ctaagctcac ctccctgaga agctagagct tagctacaca 120
caccctcta atagctaagc tcgcctcctt gagatgagaa gctagagggt aactatacac 180
atccctata atagctaagc tcaccccatg ccaaaatata agaaaatata aaaatgtccc 240
tactacaaag actgctcaaa atgccctgaa atacaaggct aaaaccatat actaatataa 300
tagccaaaat acaaggccca aaagaaggaa aaacctattg taatatttac aaagaagagt 360
ggaccaacc ttggcccatg ggctaaaaaa tctaccctta ggttcatgag aaacctagag 420
ccttcttttag cagctct 437

<210> 34356

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34356

agcttctata ttatactaca cgttttactg actggaagcc agagttagtc attaacttat 60
gtaaggtgaa gaaagcatcg catttggtgt cccttgactc agaaagcgag atttgatccc 120

gtaagctttc acgaagatcc gcaagacccat tattaattaa aaaagaaaac atattgagat 180
tcttgatatg caaaattgat gggggcagtt cattcaaacc tgattgtact aaaaacaacg 240
ctcgaagaga ttgtggccaa gtgttgctgc taaggctctt aagcgatgag caccgcgtca 300
catttaacat ctcaagcttc gggagagagc anatngattc atcaacataa cgcaagcttt 360
cacaaccacg cataactaca ta 382

<210> 34357
<211> 433
<212> DNA
<213> Glycine max

<400> 34357
taaataat tttt ggggtgttct gccttttaggg tgttttctac atgagtacaa cgataccttc 60
tttcttttac tatatatctt cccttttata taccttttat atacattttt cccttttatgc 120
tttctgacct ttactatgt gtggacacct taatgtgctt ctctttatcc tagataacag 180
agagaaaaaa tggagcactg gcagacctgg tgagtgggta catttaattt tgccaaaaaa 240
acaagtgatg ttaccattag cttttcttcc ttatttttat ctctgatttt atcattttatc 300
atgtaggatg atgttggttg ttttaagtac tatgccaaagc ttgtacgaag attgctaatt 360
gcagtttgtg tcttagaaaa cctgtggaat attgatttgg ttctttattc tatatcacgt 420
tgtgattctg att 433

<210> 34358
<211> 312
<212> DNA
<213> Glycine max

<400> 34358
tgaagagtca tctccaatg aaaagaatgt tggcggcata aacttctcaa ctatccatgt 60
gcctgatata ttttctatga ctaggcctga tccattaatg agtcttgtgc atgaacagga 120
agcagtccca ccaatgaaat cacaactaga tgcttatctt gaggagaaca atacttatat 180
ctctaataat gaaaactcca ctttttagtgc cttggagtgg tggacgaata atagtctcaa 240
atatcaagat tctatccaga tggcaagaga tatactagct gctctaattg caccagctgt 300
atcacatct ac 312

<210> 34359
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34359

tcaacctgtt aacttgcttt ccatcaagat gattcgctta agttaattat ttctgtttgt 60
 tcgaccaaaa ctatgttgct aggttttgat aaaccctaag ttaatattaa ttaataattt 120
 tgcgcttcaa aaaattagaa aagaaattcg gcgatccaaa atttctagat acgcatgcta 180
 atctgactaa agataagagt gtgttggtgca ttactatcag ttgaagacac caacactatg 240
 gagtaatgcg actttttgac ttgtgaaatt gctccgtaaa ttttattcat tctctccctt 300
 ttttgcggtc atcacaatgg ataagagaca cacattaaaa ctcctaaatt agagattcct 360
 ataaaaattct caaccaagag aaaaattatc ctaaaaaaga aaataagtta tacttacaat 420
 gtaataacaat tagct 435

<210> 34360
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34360

cgcacatctg cggtatttca caccgcatat ggtgcactct cagtacaatc tgctctgata 60
 gccgcatatt aagccaagcc cgacacccgc caacacccgc tgacgcgaac cccttgcggn 120
 cggatnaata taacttcgta taagtgtgct cttcgaaatt attacgact 169

<210> 34361
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34361

agcttgtctc cttacttggt gcttttgcct tggcgtctgc actagctgag cccttcgcca 60
 attogctaca gccttggtgt aacgctgcca cgagaccact ttacatagct gcaaaacaag 120
 aataaaatca tattgcatac tctctccaaa acagtaaaat gagtatgaac aaataatata 180
 ttattctgtt atctaatac aattgactgt gaatgatagc actcttagcc actataataa 240

ctactgtaaa aatcatacca aacatgattt cttatttgtc gacaatataa atcctctcac 300
taattaaact cactagcacc 320

<210> 34362
<211> 373
<212> DNA
<213> Glycine max

<400> 34362

atgtatgggg acaacatgaa ggatttaaaa taagtggccg aatgcgattc taggcctagg 60
aaccaagct ttttaatttca atacaaggaa gcatgactta tgcctaggaa tctaagtttg 120
gttttgaatg taaaaaggca tgaatattat gacatgtttg agagggtttt attagaattt 180
aaatttggtt gccccatgag gaataccttg cacctaggta ccatggaaaa tacctttcaa 240
cggatgtat atatgcgaat atatggcata aaaatacctt gcaaagtgtg aatataatgc 300
ataaaaaatac cttgcacagt gtgaatgtat agcagataat gcatttcaaa atctgtatat 360
gtaggatatg tag 373

<210> 34363
<211> 357
<212> DNA
<213> Glycine max

<400> 34363

tgataaacga gagcttagcg ccacgctcct ataatagcta cgctcaccga cttcagagac 60
gatgagctta gctactcaca gactgacttt agattgactc gccaaactctt catgggtacgc 120
taggagattt gtattcacga atcctatggt agctatgctg acccaatgcc caagtatcag 180
aatcaacatt catgtcccta ctactaagac tgctcagaat gccctgacat acaaggcttt 240
aaccatatac tactataata gcgcaaatac tggggccttc tcaaggacct tcctactgtg 300
atatttacat agatgagtgg accctacctt ggcccatggg ctgattacca taccctt 357

<210> 34364
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34364

atcttgttct gtcacgctaa gcgcaattat ctctgtgttt ttctatttgt tggaatcggg 60
cttaccgagc ctgctcgcta agctagtgtt gtccagtaga gtagtcgcac ttggcgcccc 120
ttgccgcact aagcgcacat ccttatctgt ctgacaaatt atggaattgg gcttaacgag 180
cctgtcact aanccaattc tacagaaaaa aaattgg 217

<210> 34365

<211> 288

<212> DNA

<213> Glycine max

<400> 34365

tctgttcctc acactcctaa ataatgcata gatacatgca cattcaacat accttgtatt 60
atattggaat acctaagact gacaatgcc a tgctaaattt aggagcttct tgtactgtta 120
tactgataag ccatcattat cttctatata ctaaaccctt tctgcaccat cttaattatt 180
gaatggcatt aattgtcaat caattatgca gttctataat atgggctcat ttatctaata 240
tgatgtgttc aatctaactt caggaattaa tgaaacattg cgcttaat 288

<210> 34366

<211> 222

<212> DNA

<213> Glycine max

<400> 34366

tttttctggt gggacatctt gacttgctgt ggagtgtgac attcaccaca tattctgcct 60
tcttctatct ttatatcgcg aatgcctcta acagcccctt tctcaatgat tctcttcatg 120
cctcttaagt gcacatgtcc cgatctttga cgccatattt tgacttcac cttctgtgcac 180
aatacacatg cggaagactg actggcccct tcatgcgtcc at 222

<210> 34367

<211> 422

<212> DNA

<213> Glycine max

<400> 34367

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gacatcatgc caaaciaaagt caagttaacg ataactcgcc tgtgcttttt cttccatgct 120
 atatgtagca aagccattga tcctgtcaag tttgatgagt tggaaaatga ggctgcaatt 180
 atattgtgcc agttggatat gtatcttccc cctgctttct ttgacattca tgactcactt 240
 gattgtgcat ctagtacagag aaatcacatg ttgtggctct atatatctac ggtggatgta 300
 cccagttgag cgatacatga agatcttcaa agggatataca aagaatctat atcgtccaga 360
 agcatctatt gttgagaggt acattgcaga ataagccatc gaattatggt agaatactta 420
 at 422

<210> 34368
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 34368

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 agccgcctca tactctatcg tcacgaggaa tgtggttgct acgttcatca aaaggagat 120
 aatctattgg tatggatcgc ccaggaagat tatcaciaac aatggcacca atctgaataa 180
 caaatgatg aaagaaatgt gcgacgagtt caagatccag cacggcaatt ccacgcctta 240
 ctacgctaag atgaatgggg cagcacaggc ggccaacaag aatatcaaga agattatcta 300
 caacatgact ctgtcatata acgattggca tgaaattctt cctttcatgc tgcattggcta 360
 tcgaacctcg gtacacacat caatc 385

<210> 34369
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34369

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 ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 120
 gcaaciaata atcaaacatc aaacataatt actaataata tatagatata tatatatcag 180
 ggtgttacia ctctcccacc cttttagaaa tttcatcctc gaaatttacc ttactcaaac 240
 aaggatgggt gagcttctcg catctgaatt tctaattccc acatggcatc ttctcctgat 300

gcacctcccc atatcacctt gaccaacgaa atctctttcc ctcttaggtg ttttgttcgc 360
 caatcctcga tcctcaaagg caatatttca tatgtcaaat tctccttcac ttgtacatca 420
 tccaattcaa tca 433

<210> 34370
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34370

ttcttattnt cattccggga atttgatcac gaaaaacaag cctgaagtga caggacaaaag 60
 acgtgagtat ctagcaccag cttctatgag aacttctnca acaaacagtg gtcttcttct 120
 tgcaactact gctcttcttc ctgcgaatga cagcaccatg gaagagttgc aacgcgggga 180
 ttccagctgc aattgctcac tgcaaaaatt ctattctcaa acaagagaag ctcagctgct 240
 gatacaaacc tggcacactt ttttttttct ttgttaccac ctgcgcctct tattgccata 300
 cctcctcat tttatctcc 319

<210> 34371
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34371

taactaanat taaatatatt aaaagatttg gcatatacta tcacttaaac gttgaaatta 60
 cctccattag tatagttttc gttcaacaga aattaaacta gtaatatagt cattatagat 120
 ctacaatgag ttctttggat ttttgtttta gaatattagg atttaaaacc aactaattaa 180
 ataacaatca taggtttcat ttacaattta tatatgtaaa caaatattatt attagatcaa 240
 aattaattgt cataaaattt attatataaa ttcagatgta ctttgaatat acataagaca 300
 ttgtagtctt atatatagcg acattaatta ttttataaca taattagcat attagtccgg 360
 ttgattagag cgaatgcaaa agtcacaggt tcgattcctg cattacccat taattctaga 420
 ttcacttatg a 431

<210> 34372

<211> 313
 <212> DNA
 <213> Glycine max

<400> 34372

agcttgtcaa ataatgtctg acactattta tcaaacagga ttgccactca aacgctccca 60
 cagccttaca ttttatattt ttgcgcggtg tcaaagtga catctaatta gtttatcttt 120
 tgttatttat tgtatcgctg ctgagaacaa tttgaattac aatacaataa ttctatttcc 180
 tccacatatc tattgtctct cttctctcct ctgtttttta taatttcttc ctcacaacca 240
 acaatcggtg tcaagagctc tattcttacg ggacctgcac catggaacgc gatgcgagag 300
 aattatgatc ttt 313

<210> 34373
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 34373

tgcattggctc actaagcctt agtctatgac agagagctat ttgtgcttag cgagactcac 60
 tcgcttagcg cgacacacta aacaggctta gcgccatcag gcgcttagcc caaattgact 120
 actggaactt aattggctta gcgagcaagc tcgctaagcc caattccaaa atagagaaga 180
 aatagcactt agcgagactt actcgcttaa cgcatgaaca aaaactcaga aaactaaatt 240
 gctttcggct tagcgagact gacttgctta gccaggctt attcactaaa agagggtggg 300
 tggc 304

<210> 34374
 <211> 139
 <212> DNA
 <213> Glycine max

<400> 34374

tgtattctag ctttgtccgc gtgctcaaag ctttgggtcca acggattaaa gcgttgccctt 60
 atcttaatga cttatttttg actgatgaat gactcttggc cggccatgga aatcctatac 120
 atcaagccca cagttggca 139

<210> 34375

<211> 416
 <212> DNA
 <213> Glycine max

<400> 34375

tgtgcctcta gtagtaaggt gattgcttct ttatttggtg ttaaaaaat aatgaagagg 60
 agcaacacaa taatgagccc atgatacata atgaacctat tatggaagaa ccacaagaag 120
 taacattaag gaggtctcaa agagaaagga gaccagctat ttcgaatgac tatgtggtat 180
 acctatataa aacaaaaaca aacttaagca ttaatgataa taatctagtt tcattttcac 240
 aagctataag atgtgataat tgtgagaagt ggttaaagt catgaaagaa aagataaatt 300
 ccataaaata taatggtggt taggaccttg tagaattgcc aaagggttgt agagatttgg 360
 ttgtcagtgg gtcttcaaga ctaaattgtga ctctcatggc aaccttgagt gttaca 416

<210> 34376
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34376

tagaagaagt cagtgactat atttcgggtg tgaagatgca agtacaagcc atgaaggctc 60
 tcgtcgatgt ccttgccact agtgcttcgt cgccagctcc gatcggtttg agcaaatgta 120
 atcacaaaaa tattgtgtac ttcactactt tatatggtca tatttatctt aattgaactt 180
 taatttcttt ctatcctata cacattggat atgttcaatc ataatttaca ttatgccttc 240
 ttcacattca gcataataga tgcaataaac aggagtgata tttgatgaaa taaactcatt 300
 gccctaata ttaacgaaat gtgtacattt gatgccaaga tgtatacatc tacggatatt 360
 atatataaag tggccctaca taatagaaat gatatag 397

<210> 34377
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 34377

tacaagaaaa ccaacaatg ccttgatcat cttaaagcag caaagaattc aagaattatg 60
 agaatcaatc aaaatcaatt gtgataatcc caatggtggc actcaaagca tccaagaatc 120

gcacaactca catgggttaaa gcaacattca agagttctca agagttatgc tacatccact 180
aaccacaatc aatgcatcat ccaaccattc tactcactca ttagtgcac caccacatg 240
attgcaagag aaactttcca tattattccc aacatgcata agtgttctca caagctctaa 300
acctcaaacc acatgtcata acattacaaa ataaaagatg aacagtaa ataccacaat 360
tgctaagaaa aataaaacat aaaactacca catgatgata ttaatatgag atgatgttgt 420
tattgatgac tatg 434

<210> 34378
<211> 194
<212> DNA
<213> Glycine max

<400> 34378
gcttaatcac tgctaaagca aaatctaacc cgattgtcac actataacct cagctaaata 60
aaaaaaaggc caaataataa taaaataatc aaaatatctc tgacaaaaaa taaatcaaa 120
aatcacaaaa atcaatcgga cattcttctt tgaaacgttc cttgaatgaa ttgactaata 180
accaaagtga aact 194

<210> 34379
<211> 438
<212> DNA
<213> Glycine max

<400> 34379
gtgagccata aaaaaggaga aggacaattt ccaatcattt atgaagcaaa aaaaaggaga 60
gaaggaaaat ttccaatcaa aggaaaaaag agaggacagg aaattcccaa tcaaagagt 120
ggagaaagca aaaagaaaag aaaggaaatt cccaatcaaa gaatgggaga aagaaaaaag 180
agaaggagaa gaaggaaaga aagctcctga tcaaggatcg aaagaaaaca gaagaaatgt 240
gcagagaggt ctctggacca gacaatatct gaacaaatac ggaattgtca ccaaatgaac 300
aaaagaaaga taaggaaacc ataacctaaa agtggctctc tccctttgat taccaacca 360
aatcctgtgc gtcggtgact tgctgcctc gcgtcaaaca aaaacagata aagaaaaagc 420
caacataaaa tcaaaagc 438

<210> 34380

<211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34380

cttatgagag caaaattgcc tcaatcattt ccaaatatgc atgtgaatta ggaagcatca 60
 acaagaatca agccaaggct attgtgcaag aaatcaatgg ggcaaaacac accaaatgat 120
 tatgatgatg gatggctcac attctcacia aggtaaactc atcactttca aattgagctt 180
 tcaaaactat catgacatga agaggagaat caaggatttc aagtcacaaa atgtcaagaa 240
 cttttatttt caaaacaatt acccatttct tgaacatatc ctataattca aagaaaaaca 300
 tgcaaagtcg tacatgcaca cagaattgac cctcaatatt aaactagaaa tccgacgaaa 360
 ctaacaacag taacaaatta acacaactaa catattatca aaacn 406

<210> 34381
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34381

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 cattaagaat tagctctttt cttcctctat tgccttttagt tgagtacacc gttgttcggg 120
 tctctattta gttcttaacc ctctcatgca acttctttac aaactcttac ctagattccc 180
 cttcttttatg tataaaaaaa gtgtccagtg gaagggggaat gaggtctaac ggcgttaggg 240
 gatggaaccc atagacaacc tcaaaagggg attgcttggg ggttctatga acccccctgt 300
 tgtatgaaaa ttctacatga ggaagatcct catcccaaga cttatgggtg cctttcagaa 360
 gagcccttan aagggtggat aaagacctat tcactacctt tgtttgccca tcagtttgtg 420
 gatgacaagt ggta 434

<210> 34382
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 34382

gctttgactt gagtcatcaa gagattatca atatgtgacc atggcatgag tttccagaac 60
atcaatcatc tttgaatcat ctatctttca atcttccttc aacattcttc aatcaatctt 120
ttcaactctt tctacagaat ctccggattc atcttctctt catcctctct taaggtcttg 180
ttcaatactt tctctttcac gaaaagtttt ttgataaaca acttgcgcta ttcattctttc 240
tcattctctt ctctccatg tcggccttca tctgcctttg cccccccga attcttctgc 300
gtctctctc 309

<210> 34383
<211> 426
<212> DNA
<213> Glycine max

<400> 34383
tcacagatga ccagtcatt tatcatccca ccactcactc ttacgtatga gttggagggt 60
agacccatgc atatgtttag ctcttggtt ctattcccta tgtcaataat cgcgaaaaag 120
aagtttacta caggaaaaac tacattaataa gctctctatt ccgtctagtc tgatattacg 180
taaccagtcc atttcgtatg tctttcgaag cgaggggccc ggtttccttg tttcctttcg 240
gaggacatgg tacatgccct gcaagaaaat agtctttata ataataatta taataataag 300
aagtctgtt ctctctcggc agctaccatc ggatcatcgg agttgggcag ttacatcttt 360
cattcaataa ccagtgggtg aaggttgatt cccaacaaga gcaacatgtt caataagatg 420
ggagct 426

<210> 34384
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34384
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ccttgactgg aattgccatg acaggtttat tgatactggc tttgatgtat aggacttgat 120
attgtgttgc ggcattgctat tctattgaa ctaactcacc atccttcact tgccaacttg 180
tgatgacatt agttgttggg tcacctatga tgtcttgcac acaagggtaa gcatatatgc 240
ttgctgatgg cataagcatg aatcctattc aagaaaaaga ccttcatctt gactctttca 300

tacaagacag ggaacttgac tcggatatgc tttctgtttg taacgtatgt ctgacacaaa 360
 agaaatgctc gttgcn 376

<210> 34385
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34385

ctgttgcatc ctactaatat atggagttgg tttctgcttt ttctgagaat aacaattggt 60
 tgaccacaac aacgctagag gcggtaaagg acaacggtct ttcaaataaa cctgttatgc 120
 gtgaacaaac attattaact caaatgaacc agggaagtga ttgcctaatt cttagactaa 180
 ctaccttcaa tgtacttgaa caaatgatt tccaaacaca tgaccgaaac atatcatgcg 240
 gtgcacagaa gaatcgggtg gtggttgaat ttttaagagga aaaaatgtca tgctttgttg 300
 tagggacaac gatacaagga ttacgttata ccatgatgca atgacatata tcatctccat 360
 tatatccatc cacttgttca cactaacctg aatcaagcaa acatacacat ctaagttatt 420
 taaacttt 428

<210> 34386
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34386

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 tataaagctt tttgtggaca agcactctaa ccttaggggt cgcgatcttt tgatgcatgt 120
 gtatttcaag ttgaatggat tatagtcttg tcaaaatttg gatgtgctaa ttacatgtgg 180
 tgcttgagtc taaacacaaa cctatacgca tttggtaagg ctaagtgttt ttctttgaga 240
 gatttctatc accatgatac attcttaatt ttgacttgac tacttgacca ctttgcatct 300
 tgtgatcatg tgttcatgga ttgcttgta ccttgaaacc attcttccat tttccatctc 360
 tctaatttnt gtgcattggt aggatccatt gaacaatg 398

<210> 34387

<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34387

tatggattcc aatattaccc caaaagagag catgtttctt anaagttact ttaagggatg 60
tcccactaga agctttcaag gctatgctta actttttata tgatgggcaa ttgaatgaca 120
aagtaataga ttctgggtgct ttgttgctcc aactccttct aagtttctca gctgtgatat 180
gacctgctag aatagacatt cctccaaata gcacagcgat aacctatgag atttaatggt 240
tcaataaaaa cacaagtcaa tattaaagtt ttaattaaac ttcaaaaaat ttatcgatta 300
caaatcctag cagactttct tccaagagta aaattatagg cttaaaggag aaaaaaatg 360
gaaataaata aattaataaa aaaattgata attacgtgat ttaagagacc cgtagctaac 420
ctgagttgaa tg 432

<210> 34388
<211> 383
<212> DNA
<213> Glycine max
<400> 34388

ccttcgacct aacacgggca tgtttctgtc taagcccga ttcaaggcgg gttgcagcac 60
cggtccgct tcctaactg tactagaggc ggatgccgtg gctttatcct ctatggctat 120
ctggagtttt agcatgacct ccgaaatgga agccatttga tctttcaagg ccgatagatc 180
ggctttcatc tgttcctgca cgccctcttc attatacatt tttttggatc gagtgttata 240
ggggcgccctt ggcgttatcg tatttatgat gaaactccta aagatatgaa cgacgggtgag 300
catgcctccg aaacatgagt atgagaatgg atgatcggcg ctcttgata caccccaacg 360
tttgtacata acgagaagag tct 383

<210> 34389
<211> 350
<212> DNA
<213> Glycine max
<400> 34389

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catgtgagag tgccagatga tgttgtgctt tatgagcatg atactcactc ctatctctga 120
atctatgggc cagctcctac cacattcgat cttgtgatct gcattataca ttacatattg 180
agagatatct taattagata tacatgatag ttgcatgatg tgccaagaaa agagagaatc 240
atggaagttg tgacttacat gccattatct gataaggttg attatctctg accatctgac 300
tgccaatgat aacgatgggt gatctgacca tttaaaatca attattggtg 350

<210> 34390
<211> 347
<212> DNA
<213> Glycine max

<400> 34390
agctttaact actttgtgat accaacacag actacactta tgtttaaatt aaaagccccc 60
tttgtctgac tattttgctt ctgaaaaaca aaaatctggc actcgattaa cacaatgctc 120
gtttgtcagc gcgaacactg gttgtttcta gacatggaat ctcaaacaag tcagcagatt 180
atcatttggc gacatgtgtc tcgctaacgt gtcaagttat tactctttac taggcactag 240
acagccagac ataaatattt tcaatttgct acttcaattc aatcacacaa tgccaacaaa 300
ccgcataaac aatgaaatcc gatcaccatc aacctacaaa cacaaca 347

<210> 34391
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34391

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tactggaag agcaataaca atatgtatgt tcactttcta gagcatctca atacaccatg 120
attaatgcac atttttagaa ctccccctc cccccctccc cttttttttt ctaaatttgt 180
gggtgtgaaa ttataaagca ttaatcaact tgtaattttt cattctatgc aatgatgatt 240
attatgtttt tatcaagagt ggacattcca acctccaatt tgtgttacta gtcctaaaat 300
ggtagaattg tttgaaaatc ataccaataa ttttctcaaa cgaaggcatt gtgttgtacc 360
aattagagat ttgttctgga tgtttagaat gattacgatt atangatgag ataccattg 420

gattatcaaa

430

<210> 34392

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34392

agcttgctgc gtgcacaaga gaaacaagaa gaagaagatc acagaagaac gaagaaggtc 60

gcggatcaag aagaacgagc acggaagaag atgaaaagct tgggtgcaaa actttaaaaa 120

aaaatatgca ggggtatfff ttactttttac ccttaagtgc tgggtgcacc agcaataatg 180

cttgggtgcac ctaagcagcc cccctttatta aacctctaaa gttagtttagc cacgtgcaac 240

acgcgagatt cagcatttct atctttgacg tacgtacacg tagtcgccta gtatcctaca 300

ttgtttgtgcc gcgcaacata atttacaaaa taataatana atcttacaac gtaattcttt 360

tctgatgctc ttacacatat atattgcata c 391

<210> 34393

<211> 432

<212> DNA

<213> Glycine max

<400> 34393

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ccttttccttg ttttgaagct cactacaagc ctttaagtga aaaccatgat atcaccatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180

cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctat 300

aaaaaaaaa agaataaaaa aaaattattc gaaaaataaa aaatcgaaaa aagaaaaaga 360

acagcaataa agttgagtga ataagatctt aaatggcaca agaatgatga aactcttggt 420

tctactcttc at 432

<210> 34394

<211> 389

<212> DNA

<213> Glycine max

<400> 34394

agcttttcttt tgtaatatgcc ccaacaataa gatttggaag ttgatactct accctgtgta 60
caccacacgt actgatacta agcaataata ttttgttgaa ataggtagct caaaatttaa 120
tagctaatta gtggattcat ttaaaaatag tgtcagaaaag attaaggata ttccaaaaat 180
attgcccagg aagaacaact tctgatatct ataagtatta agtagtctca aaacacaaat 240
ggcaggaaaa aaatgaggaa agactagagg ctctctttga caaaagttgc aaagtatttg 300
gtggcatacc ttgagaatag ccgcaatata tcacaatgta atttagaagc tgagtaagca 360
tacactctaa cacttgtttc cacaaccac 389

<210> 34395

<211> 396

<212> DNA

<213> Glycine max

<400> 34395

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gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgctc acgtcgccgg 120
aatccccctcc gccggcgccc gcttgcgcct ctctgactcc cttgctccgc ctgcgcccgt 180
gccgtttccg aagtcgccga tctccgaatc gaagaaggac caatgctgcg aggacgagtc 240
ctgtgaggag aacgcgaagc cgcagagagg gtcgtcaatc tcctgagata aggaatccct 300
gaatggctcc gaaacgtcgt cgtttagaga ggacgagccc gaatacgttc ccgagagggt 360
tcctttgagg cggccgtatg tgcggacgat catctt 396

<210> 34396

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34396

tagcttctag tttgtggtca tgtaacacta aggctttgga tttattttcc ctatttaaaa 60
ccaactcagt gtttccaaaa gatgcttttt tatcaaatta tgcacacatc tgagcccatt 120
aaggcattcg gaaaaatttt cacagcattc acccttcagg tgtacacata tttttttctt 180

ttttttcaaa aaccttttgt gttttgatcg gcggaacctt ttttcaaaga aaaactggca 240
 gtcacttctt tccaaaagcg tcttggtttt gtagaagcaa agcttcatgg cgaatcanag 300
 gtgttntgat gataacaatg atgataacac aagatgatga c 341

<210> 34397
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 34397

tattttccat tcttagaggc ttttacacat gaggtatgac tcaactgcat gtacttacac 60
 tagctatgtc tgctaaattc gactccaaat tccaacaaac tccatgcaga atacgcaact 120
 cttttattga atgataatat taggattatt aataatttaa acataatatt gctctctttt 180
 ttatcaatag ttttaaaact attacaaacg aatgaacaca aatatttgaa ttaataaatt 240
 aatatttact actatatttt aaattaatgt attgggcaat gatatttgaa tgatg 295

<210> 34398
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34398

agcttatccc aagaggggat ggaccttttt gatgcaatcc tatgccgcaa gggcattgga 60
 tagaagaccc caagtagaat gggccacaga tgcaagagaa ggccctatgg ttcttatgag 120
 ccttanggta gattctgggc ccatgggcta agtacgagcc cacttatctt tgtaaattatt 180
 agattaaggt ttcattattt ttgggccttg catttacggc tccataatgt acgtagggta 240
 ccctagaaat atangatttt tcagcccttg tattttacgg cacctagact agtttttgta 300
 ttacgggtag ttttgtaatc tcacatgcac taagtggata tttgatgtgt gcggctggaa 360
 ataaacttaa ttgaa 375

<210> 34399
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34399

ttctccacta agttgcctaa tgcctgaaat gtcttctcta atggcaatgg tcctagatgc 60
 agggaagaat ttttccatga acaccctatt aaggtcatcc cagctgaaaa tagacctggg 120
 agcaaggtag tatagccaat cttttaccac tcccttcaga gaatgaggaa aagcctttag 180
 aaagtcatga tcttcttgga catcaggggg cttcatgggtg gaacaaacaa tatggaactc 240
 cttaagatgt ttatgaggat cttcacctgc aagagcatga aacttgggct gcaaatgtat 300
 tagtccagtc ttgagaacat atggaacacc ctcacagaa tattgaatgc acaagctttc 360
 ataagtgaat tcaggtgcag ccactccctc aagaatcctc tcacgaggtg gaggttgatc 420
 catgttct 428

<210> 34400
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34400

aaaccaacat gtttaagtaa taataacaat aataataata ataataataa taataataat 60
 aataataata ataataataa atattattat tattaataaa aaaaattaaa actcttcaga 120
 ttcttataaa ataataaata gaaaataaaa gacattttca gacaatttaa atatttttgt 180
 ttggctatat tagtataaat catctcta atccatactt tttaatatga tgctcttttt 240
 ttattttctt ttgatatact ttgtgtttta acgacttgaa tttaatatga ttatgtttat 300
 caattatttt tgaatttgta cattacttat acgtaattct ataagtttca ttnttttttag 360
 ttagtatttc actaggtttt aaaataatta attgg 395

<210> 34401
 <211> 64
 <212> DNA
 <213> Glycine max
 <400> 34401

ctccgctcat gagaatcaga tgattcaa atgttgatga acaaagatga taaccaaaaga 60
 tgat 64

<210> 34402

<211> 397
 <212> DNA
 <213> Glycine max

<400> 34402

gcatttagaa atgttagtca gtagacaaat tgattgagaa agaaaagctt gaaccataac 60
 tcggtgagag tgtgaactca attattgaga gaacgactag catagagcaa tgacttttgt 120
 ttcaatctct gaattttaga atgaaatgca taaatatgga tatgatgaag gccattattg 180
 ttttgaaagc cacttgacca aaaagcttac ctgtttataa atgataatat catttgcacc 240
 cttctgtgaa ttgaattgta atgggtcaaat tgaaccttaa gctttgaaat tgttatctct 300
 atttaccttg cttaggattt aattgggtta agacaacttt gccccacatt tgggggagtt 360
 tgtttgatgg ataatttaaa aggttaagaaa caacacg 397

<210> 34403
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 34403

cgcgcgccca atgagcctcg tattacgtca cactatataa tactcaagct cgtgtcaaca 60
 aataggacac cttctataaa tctaggattc atgcacgggt aaacctttgt agttgttcta 120
 cgttaccgtc atagtgattt atttgtgata aatggtgagc caaccaactt aatttaacca 180
 tactgtcttg aagttcacct tctgtgggtc tgactcccaa caattcttca cataaatcaa 240
 cccaatcaag atttgttggga ccaattaatg gtgccccatc aacacgcaga cctaataata 300
 cagagacatc ttaaagagta atcgtaacatt ctccgcatct catgtgaaat gtatgtgttt 360
 cgggccttca tctgtcaatc aaggcagtca ttaatgacgc atttattctt aggtatgtca 420
 tcttcattat ccaataaaaa ctagattgcc gaagtagagg aataatctcc tctagtattt 480
 cg 482

<210> 34404
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34404

tacaccatga tatcgccata tccttactga attctggagc tttggacttg gcttgggaat 60
aagcgtgggg gatttagtgt tcttggagca catgttttga tgggcgtgct tcatgataga 120
ttatgagcca tccttgatgt acactgcgta tgggccaaat gtgggacatg ctaaatatca 180
tggtgtttat catatgctac tgcttataga gctacagaat cggcgagcat actgatgagc 240
cgtgaggttg agtgaataac atcttaagt accacacatg gaggagactg ttgagtctac 300
tctgtatgat caaacactat ctttacttct ttatattgtc ctatcgttac gtactatgca 360
ctcatgcac attagctctc tattegttcg agc 393

<210> 34405
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34405

tcgacgcttg gtaaggata tacgtccttg tagatgtctt gntgatgtcg gagtagtcag 60
agcacatacg tcatttgcca ttggcctttt ttaccatgac aatgttggcc aaccaattcg 120
aatatctgac ctttctgata aattgggcct tgagtaactt gtcaacctcc tttctgacca 180
ccttttggtg ctcttctccc atctntcttg gcttctatga tactagttaa gccttggggg 240
tgatgaccaa ttcattggcat atgatgctag ggtggatacc aagcatgtca aatggttgcc 300
aagctaagtg cactatctag gtttatgtcc aagttctaac ttgacaagtt cttcgatcgg 360
tttcagacct ttgtgaaaaa tgtcatccca cggatctaca tcgaatacac catcttgata 420
tatactan 428

<210> 34406
<211> 397
<212> DNA
<213> Glycine max
<400> 34406

ctttgttctt ttataaaaat gagaagtttt gaactcatca tggtatctaa aaaccttggg 60
gtggatccaa gtgctccgat catccatttg catactcatg ttttgggtggc atactcaccg 120
ttgcttattt ctttaggaat ttcatactaa ctaagaaaac atcaaggcac ccctataaca 180
ctcgatccag aaaaatggat aatgaagagg gcgtgcagga acagatgaag gccgatctat 240

cggttttaaa agatcaaag gcttccatct cggaggtcat gttaaaactc tagaaaacca 300
tagaggataa agccacggca accgcctcca gtatggttag ggaagcggag ccggtgctgc 360
aaccgcgttt aaatccgggc cgagacagat acacggg 397

<210> 34407
<211> 429
<212> DNA
<213> Glycine max

<400> 34407

acaaatctgt tttaaatacca agcccataag taatatctaa tcaaacttag ataagataag 60
ataagataag atctagatga aataatatct agataagata agatataatt ttgtagaata 120
aattagctctg ccctcttcaa gtccaagccc aattctggat tcaagcccaa gcccaattct 180
agattcaagc ccaatgcttc attaatctt gaaattagat taaaaacatc aaattagctg 240
aatggaccca aataataaaa ctgcctaatt aatttgacaa ttaagactaa tcaatactta 300
aaatgggtgct aaaagggtta agaaatagga gaaaataatg gcacatcaaa accccccata 360
cttagccttt tgcactcctg ggcaaaatga aataaagaac acaatccaag gatataaaag 420
agagacaag 429

<210> 34408
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34408

tgcattcttt ggacaagcta aacatgcaaa ctagaaacta aaatcaaaaa ctaaaaactg 60
aaacataaat ataaacctaa attataaaat gtactaaaag caaaataata ataaaagtgt 120
tcaaaaagata ggaaaataga agtctgttca tgggtcctat ggtgggtcct gtggtgcaga 180
aggggaaaaa tccatggttg tgacatcatc ctcatcctca gagagctcca gcacaggcgt 240
gcctactggt gatgcctgtg gggaagtcaa ctccagcaca ggtgtggtca ctggtgatgg 300
ttgtggagtc gtgtcgggag tagcctccac aacgtcctcc tgagtagctg ggtcagtctc 360
taagatctct ggctctggaa tctctaagtc agcctctgga tcaacan 407

<210> 34409
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34409

taaaagccca attgaacctt ccttcttctg gtatttttgt cactttaagt tatgcagttc 60
 ggatttaatt atctcactct caaataagat atcttactcc tgtatgatat gttctctctc 120
 tctctctctc tcacacacac acacacacac acatatatat atacatataa tcttttccga 180
 tttggtttta ttaaattatg tttaaagcaa taaattcaat tagtatcttt acaattcggt 240
 gattgatttg gtttttaaaa tgatgttttg aaagcccata tatatatata tatatatata 300
 tatatatata tatatataat agccttgtat ttaaataaga aaaattaaga ctaaattaga 360
 attttgatcc gcctgtagtt tcacatctaa tccccttatt tctaaatcaa gacatgcatn 420
 ctttt 425

<210> 34410
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34410

gcgagaattg tgaatcgatc gacactctng gtgaatacga tctcgagacc cgcggatcct 60
 ttagagttca cctgcacgca tgcattgttt atatatatgt acacaatatt tgtcttactt 120
 tgcggatgac aataactaac attttgacct tgtaatttgt ctattaaaag aaaaaagagg 180
 agaattctgt ggaaaacata cacttaattc actttacgtt taatccaact tggactttat 240
 ttatgttaac tcacacacat aataatgaat attgctgtaa cgtcttctat tgttgaata 300
 ggtggatttg gtcacaaaag aacctggatt aggaaaaact cctatatagt tcatatgtta 360
 taggtccact cacttcaata gttgaaatct atgcatgcat taagagacaa ttgcaagtat 420
 cccatgtaca ataccaaca ttttaattga acatgattca ttgtcagaca aacgctatac 480
 tgcttg 486

<210> 34411

<211> 143
 <212> DNA
 <213> Glycine max

<400> 34411

agctttgaca tgacttctgg gctgacgac acctttgcta acagccacct tgctgctgtt 60
 ggccaatctg atgcccgggtg cagctctgct cctacttata tcaattgcgc attactgcaa 120
 cttcctttct gctatctacg aat 143

<210> 34412
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34412

agggctggcn ttttggcctt tanngcttgn agagacanta tantttactc aagcttatgg 60
 taaaatctgg gacttagcca tggtagaagt cttcactttg ccattgcctc cctcgcccaa 120
 tactatgac aaccgatgag gtgcttcacc ttagggggact tccagctatc acctatggta 180
 gaagaatttg aagagatcct gggatgccct ctaggggggat ggaaacccta cctcttctca 240
 gggttctatc cctcatagtc caaatctcgg agcaggaatt agaccacaag aagcaagtca 300
 aaaatagggg ggttgaata ccgagaaaat atttggaggc aaaagcaaga atcttggcag 360
 gtaaaggcga gtgggccccg ttcatgtata ttctcgcaact gttgattttc ggaggagtcc 420
 tctttccgaa tgtggatggg ttgggtggacc tggcagtgat cgacactttt ctgcctatc 480
 an 482

<210> 34413
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34413

gcgtgtttgt gactcattga cacccttga tgcactacta cctgggcaat tcagctcgga 60
 cccgggatcc tctttattta cctgcaagca tgcaagcttt ctagctcttc attggtgtat 120
 ttgatctcc ttttgctgct ctaaattgtg ggaacgtgct cacatatgtg gggcaatcta 180

ggcttgtatc cttgcttgac taacctgaag tgccggtttg tatgacatgg tcctatgcct 240
atcatgcatt ttgaagtact gtgtcatgcc acaattgccg cgttctcttg ctattgatgc 300
ctaaacgcgc gccaccact tgetggtgaa atgcctcaat ggcattatca cgtgattttt 360
gtaaggaaac aacccatgcc gctgattggt ttgcacatac ttttgggaca tgcattcctt 420
ttcgacagag ctacaataat ctgccctcat gtgtcttacg tctcgatacc acn 473

<210> 34414
<211> 395
<212> DNA
<213> Glycine max

<400> 34414

gcctctcgac atattatgcg cccgaatcgg acatccgtgt tatatgttat gaccattcga 60
atctctcgag agcttacgat gttcaattcc gagcgtatcg acatattata tgcctgaatc 120
ggacctccgt gtgaaaagtt atgaccattc gaatttcccg agagcttacg ttgtgcattt 180
tcgagcgtct ctacatgtga tgcgccttaa tcgaacatcc gtgtgaaaag ctatgaccat 240
ttgaatttct ccagagcttc cgttgtccaa tttcgagcct atcgatatgt tatgcgcccg 300
aattggacct tcgtgtgaaa agtcatgacc atttgaattt cactagagct tacgatgttt 360
aatttcgagc gcattccatc attatgcgcc tgaat 395

<210> 34415
<211> 380
<212> DNA
<213> Glycine max

<400> 34415

tttacagcag attttagtaa tgaccacta acctataatt aaaataactt aatgccatta 60
acctagggaa ttaaaaaaaaa acttaatggc tgagtgtaac tgatattgtg gcaacaaaaa 120
gtcaccccca acagccaaca agtcagtcac catttggctc cccaaaaggc tgatgcctag 180
gttgccaatt gggcccttat tacaacttga actaaaccta tctaaagccc ttttagttga 240
ttaacccaaa acatattttt ggtagccaa ctttacaagg attgcgccat tatttagaca 300
aactaaacac tctataattg agacaaagtg gtgtcattta gttctcctcc attagggcca 360
tgatacaact cacaaccttg 380

<210> 34416
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34416

tcaagatatt tgaatggtca taacttttta tactaatgtc cgattttggg acataagata 60
 tcaagacgct cgaaattgaa caacggaagc tctcgagaaa tgtgaatggt cataacattc 120
 cacacgaatg ttcgattggg ggacataact catgtagacg ctcgaaattg aacaacgtaa 180
 gttctcgaga aattcgaata gtcataacat ttcactcgga tgttcgattc gtgggcatat 240
 tatatggaga cgctcgtaat tgaacaacgt gatgtgaatt tgagtatgag cggatcattt 300
 gataccggct acggagggtt ggatgacgcc acttccagtg aaggaagata agtcatggta 360
 gacgccactt ccaatgaaag aagataagtc aaggtagacg ctcaactttca gagaaagaag 420
 atn 423

<210> 34417
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 34417

ttgtgtcact tacttttttg ttagggcgtc tcaatttcat gttagctctt agattttttt 60
 tttttattaa tccttggttg tattcatcat ttcattaata tagaaatgat gagttgattt 120
 cataaaaaaa agttttgagt tggacttttt tgctaaacaa aggcaaacga gtaaaatatt 180
 aaattagtcc ctcatTTTTA gaggcactgt caatttgatc cctgagattt aaaaaatatt 240
 aaaatgatcc tcgattttac atttcgtttg ccacgttagc ccctgtcatt agtagtctcc 300
 taagaccgtt agtaaagtgt tgatatgaca cgctaaatgt cacctagaca cacacgtgaa 360
 acttcacat catgttttct tacttgccac gaaggg 396

<210> 34418
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 34418

aatgtgccca gagttgattc acaatgcata tgaagaacca catggtcaca tgactaccat 60
cctatccatg gttttgggtc tttctaactt tatgtgggtt atcacttttag gttcaaatat 120
atTTTTtattt ttaatacata ttttaattcgc ctatttattc ctaacaaatt ctttattttc 180
tatcgaatgt ttaataaaaac gattattttta tttattatca ttcataatttt attcccatct 240
tcgataaacg agtgatctta tgattatcct atgatataac acataactttt atgttagttt 300
gggctatcta taaataataa ataatacttt ta 332

<210> 34419
<211> 397
<212> DNA
<213> Glycine max

<400> 34419

aattctcagt attatgaaca tgtgaagcag taccctttat ttttaatctt gattaagtct 60
cttcataaaa taaggattgt acccattgtc tacacgaaaa taaagactat ctatcttcca 120
aaaatgtaaa tgcttttact ttatagtgtgta aaaaaggaac aacaaaaaag aaacacaccc 180
tcctcttttc cacctatcct acatcttatg ttatctattt tactaatatt tgatagacaa 240
ctgtgattga agtttttttc tttttgtttc ttgctctttt tcttgtgatg attgaggaag 300
tacccttttt ctggaaaagt aagttctaca ttgattaatt gtattattcc catatttttt 360
tttagctgaa tgaacagaca tattttgacc catttag 397

<210> 34420
<211> 319
<212> DNA
<213> Glycine max

<400> 34420

ctttcaagcc aatttctatt caatgacaaa ttgtttatat tatggagact ggtgcatcag 60
tccagacacc gcgggtcact ctccatggga catgtttaca actgttcac acaaaactaa 120
agctcccttg aataactgaa ttgtaacatc agttatcacc tttatcttca cagactacaa 180
cagaggctaa accacacgaa tcttgtgact gtacatcaca agcacaacca ttggcatgag 240
tcccaatctg tcaatattac attacacat cagaagaata gcaccactca atatccatca 300
gaccacgtat ttcctcttc 319

<210> 34421
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34421

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 tgctagggtta taaatagaaa catgtgtaac tcttgtcata actttgagga atgagaaact 120
 tgtgtgacac acttcaaagt tcaacttctc tccctaattct ccttcaattc ccatgcccc 180
 ctctctctct ctttctcttc ctccattgaa gcttcctctc taagcttctt atccaaggca 240
 ctctcttggt ggtgaagctt ctgcttccat gggttattct ttagtgatg acgcctctc 300
 taaccttttc tcttttatct tctgctgcaa caccgtggct aanaaccacc attgaaggac 360
 cttattgaag ctcatagatc tagcctccat agaagctttc ag 402

<210> 34422
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 34422

ggacatgagg aagtgttgaa gggtgaaact tctgtctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggy ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggccag tgagaacctg 180
 tgatgtacct aagcaggcga gtcctggca gtcaacagat aaaaggaaca aagaccacaa 240
 agcatggagg cttgtggcgg ctggccagct gtgaactctg attgatatgt gggttatggc 300
 ctctggtaat cgattaccaa ggggtgggtaa tgcattacaa ggcttaaaaa tgaagacagg 360
 aggctaacat ggtctctggt aatcgattac caaggggtgt aatcgattac cacgc 415

<210> 34423
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 34423

agcttggtttt tataatctcc ccccttctga tcatgaggac cctgaaatca agaaacacat 60
 acacattctt ttcccaagtc gatcactcac ttaattctcc atattctccc cctttgtctt 120
 tgagcttaag cctcactcga aattaagcta tctaattatg tgagttcttg atttcctatt 180
 ctctctcccc ctttggcatc aacaaaaagc caaagtgcgt cagaaataga aaacatacat 240
 aaataactaa tcatacaaga gaata 265

<210> 34424
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34424

tggtacgtag taggtattgc attgtgcgaa actaattttt ttcgttggat atatctgtac 60
 caagattagg tggtctgaac ggcaggggat ctctattggc aaaatattga taattagtta 120
 taaattttga caattgctat attcagttct cctcgttatt ttattcactt tctttttgaa 180
 tttgtttttt tttccaaaga tatccctgt agaaaaata cacgctctct tttgaacata 240
 cttacgtcat taccctcctg agacaaatat acttcccagt cgagaagcgc tacactctgc 300
 atgacccaaa cacaaaaaac accatttaga aaaaaaaaat cacctcataa aagacagaaa 360
 ctcatagatg gaactttctt tatctagcag tagtagtaac actaccatt accaccaag 420
 cttc 424

<210> 34425
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34425

agcttctttt gtattttgaa caagccatta actgctgtgt cagaaccatg ctatgtgctc 60
 gccactggcc tctttcttcc cttcgcaact tgagttcact attgctaccc catagagctc 120
 cgcgaaattt gtctccgcca tactcttgc tgcgagccct cttggtctct tgttcaaggg 180
 ctcttgcaat aattgcactc tcttcccgta acccggcaca ctcttccga acgcgcgtag 240
 cggccaactt gaacttctcc ctggcaagtt ctgcctttcc taactcgctc ttgagagtnc 300
 ggacttcttc gtcctcttcc ggtgcttcaa aactctctct cctgacgact tttcactcgg 360

cgagccaatc taaacctegc atatgaacta tcag

394

<210> 34426
<211> 438
<212> DNA
<213> Glycine max

<400> 34426

tatgcgcata tttccttaca aacgtttctt tgcacaatac attctattaa ccaaaaaaat 60
gcacccatat acaatcaagg caggttcggtt acctagatta tttacacgta cttccaaggt 120
gcatttggtta cttacatcac acacctcctt ggctaaattc acatacatgc atactcaaag 180
cattttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaata acctatacat 240
acacaaaactt catgatgaat cttgactatc tacacaataa ggtgctacat tttatgctct 300
tttcaagttt ttgctaccta aagccgcatg caaattcaag tatattttcc tttgctgact 360
aaaattgtat tcaaattaaa aggtatacat tttttggtaa tgtatcttct ttacataaca 420
tgcaacatat ctatgtat 438

<210> 34427
<211> 191
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34427

ttctttgtat gangaagtgt cgaaagggtga aacttgctgc ttttatctgt gaccacaaac 60
tggtacctgg agatatgtcg cggggggtcac gacaccttgg ggacgtcaga tgggggtgcta 120
ttgcccacaa ccaagcttga ccaattccga tccaacccga gcatattcgg tcaactgagaa 180
cctgtgatgt a 191

<210> 34428
<211> 428
<212> DNA
<213> Glycine max

<400> 34428

tgctaaccga tggaagctcc taatatctcc cacacttttt ggggtgggcc attcttggat 60

ggccttgatt ttctcagggc ccacttgac cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgttcttcct 180
aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctacgctcc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtc tgaaagcagt tttccactca tcaccctttt tcatcctgat 420
ttggtgat 428

<210> 34429
<211> 76
<212> DNA
<213> Glycine max

<400> 34429
acttttttta aaaaaattta ttaacttttg atttttaaac gaacggcatt tttgtaaatt 60
caatgaattg cttggt 76

<210> 34430
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34430

tgcacttgag ganannncna gacgacatct nancgctagt ttttatttta cttctaacct 60
ccattgagga cagagattca cacttatgcc tccccactcc tgaaagactc actcttttgt 120
ccactcacia caccagattc tctctttcta accctagggt aactctaccc ttaatctcta 180
actgttccca taggcaatcc cagcatataa acatcatcac ataaccctaa aacagaatgg 240
gtctgcctaa ctcatcccaa catggcaatt ccaacaagct tacaacaaga tccttcacia 300
ataatcatca gacagcataa aactacacia caccacccat catatctccc ataacaccat 360
accacacaaa cttaacagag aaagaagtcc acctaaacct gaatcttcca agccccactc 420
gacagcacgc actt 434

<210> 34431
<211> 377

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34431

 atcttctact tatgtggcag ggcgggcttc cttcactttc ttgtctccaa cgcgagcttt 60
 gaccaactgct ttctcttccc gogatgcttc tgttcataac cccctgagt gggcttatag 120
 cctaaaccat accttccacg atttcctttg gcatttatca ggctagctat gccgccgttg 180
 tctttcgcta aaccatttcc gggttcataa ccgttcccca acataactcg ggccatcatt 240
 actgctgcat cggacaaaaca agtcgtccct ttatacttgt cgaagtcagg cactttgaac 300
 ttccgnggaa taacaacatc acgtactaag catagatccg tcatgtctgc gaacggatag 360
 tctccaaatc cttccac 377

<210> 34432
 <211> 432
 <212> DNA
 <213> Glycine max

 <400> 34432

 tttatcaact tgactcttta tgtaggtcaa gaggcttttt atttaaaaag aaaaataaat 60
 cgtatattta aatacatcat gacaaatcta atactccctg ctgtcctata tatagaaaca 120
 agttactcgt tcgtcaagac caataaaaat agtttagtta gttagtttta attaataatg 180
 tcaaatttaa attttattca aaacataccc ttttaaggta ttttgtttga gaagtagttg 240
 catttaatga catgagaaac agtgtaattt atatttttaa tagaccaata aatgcatgag 300
 aaatgagtag ttacctcatt aatggatttc acaacatgaa gggtaaaaaa gaaaactaac 360
 aattaatata tcttacagtg ggtctatgtt tcttataatg aggacaaaca aagaataccc 420
 tcttgtttct ta 432

<210> 34433
 <211> 373
 <212> DNA
 <213> Glycine max

 <400> 34433

 agcttatttg tttaaaaaat taaagatctt ttgttatct ttccagcgac tactcacagc 60

ttccatttgg agttcttttag tgtctttctac gcttgcacaa ggcagatagg tcaagtaagc 120
 acaaaatcta aaatttaact acaattctca attaagctca atcatttgcc ttagaccaaa 180
 accgagttaa tgtgagaaaa taacggtcaa agagatttca attgacctaa gaagaataga 240
 caaatattaa actacaaata ctcaatcaaa ttccccacaca ctttatcatt tgaactcatg 300
 ggagaaacta acagacagat taagacaaag atatcaaact tagaaaataa ccacactaaa 360
 agaacgtatg aac 373

<210> 34434
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 34434

ttcttgtttc tttataagac actcaacatg tcatcaggat gcacactgaa cacgctcctc 60
 aatctgttat attgattgtg aacgaatgct tcaaccgtaa ctcggtgacg gtgtgatcctt 120
 aactgtgaga gaaacgacta caactagggtt atgaattttg catgattctc tgaattatgg 180
 aatgaatgca tgaatctgac gatcatgaac gtcattgcttg attgatatag ccacttatgc 240
 aaaacactga ccctgtgcat gaatgattta tcccttgac ccagattgag tctaattaat 300
 gtctgatcga tcgaaccttg agcctcgcta gctatctcat gctacct 347

<210> 34435
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34435

ttgagccaaa atcctgactc accatagacc ttgactcatt gtgttaatgt caatccttac 60
 cctcggaagc gaaaaggaaa gaaggaagat ttccaatcca agagaatgca tataaaacga 120
 atgagcagaa ggaaaattcc ccaatcaaag agtgggagaa agcacaaaga taacaaagaa 180
 aattcccaat ctaagaatgg gagaaagtaa aaaaggaaga agaagaagga aagaaagctc 240
 ctgatcacgg attgaaggaa aacagaagaa atgtgcacag aggtcttttg accggacaat 300
 atctgaacaa tacagaattg tcaccaaag aacaaaaaga aggaagggaa accacaacct 360
 aatgtggtct tctcccttta attgcccaacc agaattctgt gtgctagcga c 411

<210> 34436
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 34436

agcttatgaa tagaaagaag aaaatcatgc aatagattta tcatatttca ttttcaaact 60
 atgtggaaca atattagtag atccaaatat tatagattag aattttttcac tatatataga 120
 ctaagaataa aaatagtttt ctcacattct actattcttt tcacaagtct ctattttcta 180
 aactaatgta ttctttcttc aagaaacctc tttagcctca ctttaaagaa aaaattgatg 240
 ttattaggag atagacaata aatactccat gataactgaa agtattctct aaaactgcac 300
 aaaaggtgca agaactaata atgaaactta gaaatgaaca aacgaataat ggttcttaac 360
 tcttttgata tgtagcaaga tcattatc 388

<210> 34437
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34437

ttctcccaag tactaaatga catttcaagc tagtattaac tcactttaac ctccatttac 60
 cacagaattc agacttagcc ttccaactct caaagcctca ctcttttttc cactcacaac 120
 accacattct cactttctaa ccctagggtta actctaccct tcatctctaa cagttttccat 180
 aggcaatttc agcatataaa catcatcaca aaaccctaaa acagaatggg tatgtctaac 240
 tcatcccaac atggcaattt caacaagctt tcaacaagtt ccttcacaaa taatcatcac 300
 acagcataaa actaacaaaa ccacccatca tatctcccaa aaccccatat ccacgaaatt 360
 taagagagaa agaagtccac ccaaacctga attttcgaag tcccactcgt agccacgcac 420
 ttcacgaccc c 431

<210> 34438
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34438

agcttgtgtg ttagagagga tttgttcgcc ttgtggacca aagagctcca aagggttctt 60
 cttgtctaataat gaatgtacta ngaatgctga tatagtttgc attggtgttt ctttttatca 120
 taacagttat tgttttggtg tttgtgtact tttttccaca gtaaaaggat ttatattaat 180
 attaagtga ggttatgctt gtcacaagaa gtgccacacc caacctcata aatgcatcat 240
 ggagttcctt ccaaaacact actactcctt tacatatata ttgattctac aacattataa 300
 ggaacagatg gtatcaacaa tattccatag taccctacca tgccttctag tgttccttg 360
 gtccttattt c 371

<210> 34439
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34439

tctactcctt ttgttgctat tgttggtgtt gcggctccta ctctccacc tctcttact 60
 atctctatta aggagatttc tatttctcat gcgactgaag ttagtgcgcc agtogettcg 120
 gtcagtgtg tcgaggctcc tctgtctact attgttgac ccttggtgag cgtcgggtgtg 180
 gcaaccataa gtactcccgat gatgtccctt cctccttctt cagcttcac agttcccccc 240
 ttgaccgtgt tgggtgcagc gttgtcttcc acttgtcttt tcaccaagt gtttcttttg 300
 atcacatctt cacttcttgt gatgttgatt ttctatgggg tatgggttac aagcctgacc 360
 agaagaccct cggtggcttt gtgtcaacct atgataaaaa tcttattcgg tcagctgggg 420
 tct 423

<210> 34440
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34440

aatgttaatg tcacatcaga taatatcaaa aactatatca aattatggag atcatgatat 60
 ggtattgtaa gtgacatcct tggccagagt aggtttgatt gggatggcac taagcacatg 120
 atcacaattg agaatgaaaa tgcttgaaat gaatattgca ctataagtat tctttaatat 180

<210> 34448
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34448

acacctgtat ctcaccctaa acacnacnt aatgtantca ccttcttgtn tattatatta 60
 tatannnann nnnnnnaaga gatgtttgat gacgtcgatg gacactccaa ggtgaatccg 120
 agctcgggtgc ccggcgatac agtagagctg acctgcatgc atgcattctt tatacctcga 180
 tacaccattc cattaatctc aactacataa gatgccaaga cctattgaat tgcggaacca 240
 atgtcacaga ggcgcacatc tatgacagct tcctaaatgg caagccaaac attccatagc 300
 atgatagagg aaccatcgaa ttgcatgatc taagtgggtgc ataataaaaa cctcacacga 360
 cacacaacga acataggata tacggtggag ggtgtacgga tcagaaacca tatattaagc 420
 tcgtgaagct tcgccgtgct acagatctat ggacatacaa acggataaga gcgctcaaaa 480
 tagagccatt gatcacgaat ctgaaactga taatgtagcg tcattgagca gctccggagg 540
 cattggatct tcatcatcaa tggaagtcn 569

<210> 34449
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34449

acaatcgacc cccggtaaca acattacgac aaaccgaaaa cgacacaccc acaccnaaag 60
 ccggannatg aactcgtgac gcaggcccta ananaccag cgncacggac nccccagaac 120
 acngngaaga ggttatcccg aacacacctg acaaccggg agcaagcaat aacatgtatg 180
 cggcacccaa ctgagaatga agacgacaga acaccacaa ttcaaaggct acaccgacgg 240
 tggcaaccgc gagtaggaac aaaaccagca tgcaagtcgc cctagacgaa cggccataga 300
 atacggcaag ccacgcaggc acatgggtca caccatttga ggccacttat ggtaaacctc 360
 ctgcgaaaag tgggaagaac tcaatgtac ctcatggta acaataagaa aggagggagc 420
 gcaccaaata ggccgagatg agactaatcg aaggacaaaa tccaataaag cggcaaaatc 480
 aagagatcct aaacagaaac aaaataaaac agcacagcga acaccg 526

<210> 34450
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34450

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 acacgataaa ctttcatggt gtntcatata aacctctcc tctaaatcac cattaagaaa 120
 agctgctctc acatcaattt gccgccactc aacgtcaaaa tgagcaccta ctgccaagat 180
 tatacgacta gaatctttct tacatactgc acaaaaagtc tctttgtcat ctattccttg 240
 cttgcgagtc aatcccttag caacaactct tgccttgat ctcctaattg tgcctaattg 300
 atccttttct ggcttaaaga cccacttaca 330

<210> 34451
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34451

agcacaatgg cgattctaatt tggatcatcta gtggattata ttttcaaaaa catgaatatt 60
 atatatatca acatgcattc atttaggaag acttaaccac aaagcatgaa caaaagctag 120
 gaaccaagaa gcacaagaaa gcgagcagcc ggtggaagga aaattcggtt ctgaagcttt 180
 tatcgatccg tttcaatcca tttttcttcc atcttcttcc ctttcacccc acctttattt 240
 ttgtaagtct ctcatgacaa caaaagacta agattaccta ttgttggttag ctctgtaaat 300
 caaactctct ttgatgtaat gattctaaac tatcttttaa tataatgctg ttattattat 360
 tcatccctat gcttatttat atacttatgg tttgatcatt catctttatg tattgggttaa 420
 agatatan 428

<210> 34452
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34452

atctttgcag catanggact aaagttcgtg agccttggac atcttgtcct accgttactg 60
acggaggagc tagagtggat gatgaacgga tgcctccat tctagctctt tttctcgatt 120
ccatttgcaa ctaaaaagaa ctaaaaactc cttacaccaa aattgctcac gtttaacaac 180
agaaataaag gctgaaacta aactacgtg cttancgaga tatagctcgc tcagcgcacc 240
ctcaaagaca taacatatcg gcttacctgg agccaagctc gctctaccta atagtggctg 300
cgacaaaatg cgctgagctc acatgaactc cgcttagcac gaggc 345

<210> 34453

<211> 418

<212> DNA

<213> Glycine max

<400> 34453

tagcgagggc atagcctcta gaagagatat gggttgtttg gcttgcacct ggcaacacaa 60
ctcaggattg agacccgaga tgaagcaact aaggagaaac aacagagcga gaccaacgat 120
acagttggcc agccgttcaa actcgatcaa atagtattg accgtgctgt gttgatgaag 180
cttgaagagt gtgccatgcg aattgtcata aaatgatgga gcgaaacgcg actctaaggc 240
ctgaagcatt acggggccatg tcgtgaggaa gccgttgccg gtcattccact agtatcagct 300
aagcgttggg tcctccatat agaacaagac gatggtgagg cgttcggggt caggcacccc 360
ttgatagtcc aagaactgca atattttgaa taccagcct aacaagtcct agccatca 418

<210> 34454

<211> 393

<212> DNA

<213> Glycine max

<400> 34454

agcttgaagg tatgagacga tgagtggagt gagagggaga gaaggagcac gaaattttgt 60
gcctcaaaag aggtctgaac tttgaagtgt aattctcaaa tgatcaaagt tgaaaaaatt 120
cacacacatg gcctctattt atagcctaag tgtcacacaa aattggaggg aaatttgaat 180
ttctattcaa atttcacttg aatttgaaat tgaatttgtg gagccaaatt ttggagccaa 240
aatttcacta attatgatta gtgaatctta gttatgggtc agcccactaa tccaagatca 300

agccaagat tgtccactaa gtgtgctttg gtgtcatgag gcatgtaaa catgaaggac 360
atgcacaaag tgtgactata tgatgtggca atg 393

<210> 34455
<211> 432
<212> DNA
<213> Glycine max

<400> 34455

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ttacaggatg ttgtaatcga ttacaggccc aataagcctt ctggtaatcg attacaggat 120
gttgtaatcg attacaggct gcctgttcat gtgtaatcga ttacactgga ttgtaatcga 180
ttaccagagc ctatcctagg ctagtttcta agagaatata tatatttatg ctcaaataca 240
tcctatatga ctaattttca ctactaatac actaaattca atcattcaat tactatatac 300
acaagaaatc ataaattcta tcataaagac aagaattcaa acaagatcaa acaaaataat 360
ctacaatcaa aaggtaaaaa gtaaatcaac caatcaatca accaatcaat caaccaatca 420
attcctatgt tt 432

<210> 34456
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34456

agcttgtaga ttgctccaga atgaagaaag cctcatatgt aaagttctga aagttaagta 60
tttcctagat taaacctgtt tttgaagtaa aattgggcca ttaatttgtg gagatttctc 120
caagggagga ttaaacaact gaacttatcc aagttaaacc agctaaattg atatagtgat 180
tttttgtgta gaccatatgc aatttgagct tacaagccag tttagccagg gagagaactc 240
ccaacaaaat ctagctagct ataaggggtg ttgagaagtg gtgaaaatat tcttttttta 300
atgaataatt ataattttct aaattctgat ttanattgaa atata 345

<210> 34457
<211> 430
<212> DNA
<213> Glycine max

<400> 34457

tcccaataat cacttataag agaagaatat aaaaatgtta aatgaattaa gtttctccaa 60
 taagttaaaa ttagcttaag cataaggttaa aataagattt tggagaaatt aaatgagagt 120
 tcctacaatt tagcttatgc aaaactaatt ttaacttatg aaagaaactt aatttatattt 180
 actttcttat tttcttctcc tataagtgtt tataaaagaa gtttatccaa acaaggatcat 240
 atcaaatttg cacaaaatca ttagcataga aaagataact ataagaagaa gaaaatttac 300
 caagttctgc caatagtgat aattatctgt acacttttca tgcctccaag catcaagatt 360
 aaatatattc atgccatagg cccaagcaca agcttttgga ttgaagctct ccttgattaa 420
 aggatgagag 430

<210> 34458

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34458

tagctttata ggtcatgcaa gacctgttat taaatcttga agctcatcat gggtatgaac 60
 tgcaaggtaa tcaaattgtt ataggaagat tgattttgcc taaatattga ccctatatcc 120
 ctttactttc atttgaattt cataacttat ccatgggatg acactctctg gacctctggt 180
 ttcttttgta cctacaaaag gttanctaatt ttggtgtgtt accaaagaat gaagaagggt 240
 attcataaat ctgttgcaac ctgtgacact tttcaacaca ataagtatgg caccttgtcc 300
 ttagtctatc gctacaacat tggatattcc tacacatatc tgggtotaata tttctatgga 360

<210> 34459

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34459

ntcacctatg gaagaagaaa aaattgttcc attcatttgt caagcaacat gttgaacatt 60
 taggaactta ttttaacatt gcaacaagat aatttcaatt gatttctaatt taaattgttc 120
 acacacacac acacacatat acctttttttt gttatatgca agctaataagg acaaaaaaca 180

gaagaatatt caggtatccc tgataatagt tccaacattg agaattagaa ttgttgatga 240
aacaacattg agtcttgcaa tgaagagaaa ttcaagaaat aaattcatat aagtgaagtt 300
gattcatggt agttgtgaga gtttttgcgt tttgaatttt taatctttta taagtagagt 360
ctttgctggt acagactttt ctcttctttt ttctgttttt tagtttagcta ttgatatacc 420
aataaagtct t 431

<210> 34460
<211> 337
<212> DNA
<213> Glycine max

<400> 34460

agcttatgtg taactactct tgatattttt taggctatgt gtttaaattt ttttaaaaca 60
aagtagattc agaaaataat tacatttatt attattttga ttaacttctg aatatgggtg 120
aaatcttatg tgtgtctgac atattaaaca agttaacgtc taattttatt gattagaata 180
tgaatctgtc taaccaaatt aagatgttta ataagtaagt ttatttaagt attttatact 240
tcatagcttg taaggcatta cttatatatc gcatataggt tcgcaactct ctttttatac 300
ttcttatcat tactatttta atacaccttc ctcttat 337

<210> 34461
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34461

tgaggggggt tttaaattaa tgggtgtgac ttatgggtat taaatgggta tggtcgactc 60
ggatgctaac cgatagaacg acatcaatgg aagaccgtgg atgatgttcg attattatct 120
natggttcat ccatggactt caaaatttgt ggtgacagaa gcaacaatag accaaacctt 180
ggcttggatc cgttttccaa gtctttggat ggtctatcat gatgagactg tattactgac 240
cttggcatca actattgcaa caccatcaa ggttgatcta aacatcttga atatgcatag 300
gggaaagttc gtgcgattat gtgcataaat taatctcaat gtccttgtcg tgggagattt 360
tgcacatgat gaaatcggtg taatatagaa tatgacgcgc ttcattattct 410

<210> 34462
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 34462

 agctttgttc tctgcatgtc ttcacacagc aaaatctctc aaaactctct ggattcagac 60
 ctttctctct ctagagtctc tcacatgcag aagctccttg agaaaatggc taaaatccca 120
 gaacttgaac ctctctttgt agaatctctc acatgcagaa gctccttgag aaaatggcta 180
 aaatcccaga acttggacct ctctctctct agaaatctct aaaaaatata taagctcaag 240
 gaaaagccca cactcctctc aaaatctgat tcaggcttaa atagggcttt gttgtgttga 300
 cgcttatgaa ctctgaacgt tatcgccatt atggatttgg ttaca 345

<210> 34463
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34463

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 ggcacttctc tctctttcga atttgttttag aaaaattggt tccgtgaaga aaatccaagc 120
 cgagggtgctt ccgtaacgtt tccgtaacgt tccgtgagt gatttcgcga aggttttcga 180
 ccgttcttca accttcttca ttogttcttc atcgttcttc agtcttcaac gggtaagtac 240
 ctggaaccaa gcttttcgat tcattctatg taccctgggt ggtccacatt tggtttcatg 300
 tatttttatt ctggtttcat ttacttttta taccctcttt tgacgtgctt aagccattnt 360
 atttaagtca tttctcgctt aacctaaaaa taaaataaat ttccaccgat cgtttgaatt 420
 gtattatccg ttaact 436

<210> 34464
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34464

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atggaagcct acactccttt atttttggta cgtaatatga agaatgcttt cataattcga 120
ttaagtggac ttgcatgttt gcttggttgg tttgcttttt aattccagtc acaattagcg 180
gctctttaat cttgaatatc ttatatgaa tgaatagctt gctttgtcaa atcacagata 240
aaataaaggg taaatttctg gattggcctc gacgcttnca cataatattt ggaataactc 300
gaggacttct gtatcttcat caagattctc gattaacgat tatccataga gatctcaaag 360
caagtaacgt tttacttgat g 381

<210> 34465
<211> 382
<212> DNA
<213> Glycine max

<400> 34465
tategtaatc gatgtacaca acttggtggt gagacaatgt ttgtttcatt caggagtccc 60
tgctttaatt aattaccatg tgatataatc aattacttct ctttctataa gtgtttcaca 120
agtgacccaa aacactttaa tcgattactt tgaggatcta atcgattaca ttattcttga 180
gagggtttcca agttttggga agaagacttt aatcgattga aatgataata taattgatta 240
cattgtagat ttaattgatt acaagcagat attacttttt tctctctata taccatctt 300
gtgtttcac ttctatgcac aagttcatta agtgccaaaa tgcattgagtt gatataagcg 360
ataagcgacg tgtgatactt tc 382

<210> 34466
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34466

atagcaagat gaacagtgc atgaattgct gttgatgcat tatcatataa aacctgaaa 60
acctgtttta aaatttatta attggcaatc ctttcaattg agagtaatat caaacatagg 120
acagacaatt agtatgaaac tgctgaagta atcaatttat gataatacat atggcattag 180
acattcagca aagttcacga atcataaaat tcccaccaga ggaaagtgc ctttctgagc 240
cacagctaaa gctgcctcgt ctgcactaac acatctaagt atgatctcac gaacctcaga 300

aatgacaccc taaacatacg aacncaanac agatattaaa acgtgga

347

<210> 34467
<211> 436
<212> DNA
<213> Glycine max

<400> 34467

tccatcatgt aaattgctta tatttccttg caattcctgt ctcatgatga gatagattat 60
gtccacatga cgtaacagaa ttgacagaat gaaacatgga accaccagca acatcctttt 120
ctatgtacaa ttctagaact gacatttggt gttgttggtg aaaactttcg atcatagttt 180
caacatcttc gtcatacaca atttgcaagg cgacatatat tcctaaaact aaaaatctac 240
aacttatagt agaaatgatt tcattatatt ctaactttcc cttatctcca attttttttc 300
aaagcattga aactaattcc gcatttaatc tgaattacct ttttactgcc ttcaaattat 360
acaccatcat tgtcttcata tactcttcgg ttgaaataca aactgtaat aattgaattc 420
atgatatatc tacatc 436

<210> 34468
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34468

taatgaccca ctaacctaga attaaaataa cttaatgcca ttaacctag gaattaaaaa 60
aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaa agtcaccccc aacagccaac 120
aagtcagcca ccatttggtc tcccaaaagg ctgatgccta cggtgccaat tgggccctta 180
ttacaacttg aactaaacct aactaaagcc attttaattg attaacccaa aacatatttt 240
tggtcagcca actttacaag gattgggcca ttatttatac aaactaaaca ctctaaaatt 300
gaaacaaagt ggtgtcattt agtccttctt catttgngcc atgatacaac tcacaacctt 360
ggactttt 367

<210> 34469
<211> 436
<212> DNA

ttggccttct ttgtccatat tccaggtttt attaattaat gcccccgact aaactctttt 240
aattcaaact attcccgcta tctcctaaac ctttctocat ttgattttgc ttcagcattt 300
ttcttttact catacatgca tctgatcatc aagggatatct agttcaattg gctgcttaaa 360
atgtgtgaat tgttgtaaatt cttgatattc gtcttggatt tccatagata tcacacaaga 420
tacat 425

<210> 34472
<211> 268
<212> DNA
<213> Glycine max

<400> 34472

agattttctac agagagagag ctccaagttc cagggagttc gggcttctcc ttgagcttct 60
acattttgtag agattttctag agagaggtcc aagttccacg gagtttgggc atttctcgaa 120
gcttctgcat gttcacagat ttctacagac agaaaggcgc aagtctcaga gagttttgag 180
agcttttgct gtgcgaaaac tgcccagaaa ctgagcttga agagaaagcc atcctgacag 240
catgagatga gtctgtgact gattgcga 268

<210> 34473
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34473

ctgttgcgaa ggtgccccaa ccgtaacttt gatgatgctg cacaactgca tatcttttat 60
agtggttcga aacctcaaac caagatgac cttgatgcct cagctggagg cactatgatg 120
tccaagagtt cggaggaagc tattaatgta atctccattg gagcttgtag gactaggata 180
ttcttcatca atggattcct ttgcttcttg gaagatgaat gtcagcggaa tggagaagga 240
agagagagag gagacgccac ttcaaggaga agatgagtct agaagaagct caccaccata 300
agaggccatg gataacagcg tggaggaaga acgagatgaa tgaagggaga gggagagaag 360
agcacgatat tttgcgctca taaagagctc tgaaatctga agtttaatat tcanatgatc 420
aaa 423

<210> 34474
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 34474

agcttggttat ttacatgtcc caaccacaac agaagcaacg aaccaactac tgacgagccg 60
 ataacaaaac acaactccct ccccaaataa tcacaacgtc atgacgctcg cttggcaact 120
 cccacaaaga aatccccctt tacatcactt actggtgtca tttgctccca caacaaaggt 180
 tcggatcatc aacgtacaac cacacggaca aaactcaaag atgacctatt ctaaacacat 240
 caacaagcgt agatgacgat aattcaacga actatgtcat aatataatcc actcataatc 300
 a 301

<210> 34475
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34475

tcataaaagg tgacaaaatt gtgttcataa cacgtttcat gaattntttc gactctcgta 60
 tcttttagaga aggggaaccaa agtgccgatac tcttggcaaa ttatgggtctt catgcaagtg 120
 atcctatattg gtgggatcat ctccctcttt tattttctta ggcttttatt tgtaataaaa 180
 gggtttttttt tttaccagaa tttaggtctt gttgagtcta tttgcatggg ttttggttat 240
 tatagtgtgg tatatgatta ctagattata ttggtgtcaa cataattggg attagttaat 300
 atgttgtgat gttgtgcact tcaataagtt tataaaaaaa tcattttaca ttaagatgag 360
 tcactaatt attatttata agataaatag ccaacatcat ctttgaaagt gtgaagtgct 420
 aat 423

<210> 34476
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34476

cttatttttag cgaaaaactt catagtgccca cccttaacta cccacacctat gataaagaac 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcaactaaagt acattagagg gcaaagcaag ttaaacaaga 420
 ggcatgcaaa atg 433

<210> 34479
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34479

agcttgtaat cgattacaca aggcttgcaa tcgattacca gaagtttttg aacgctctaa 60
 aacagccttt agaaatttga attttaaattt taaagtctgt aatcgattac agaattgtatg 120
 taatcgatta ccagagttaa aattcaaatt tcaaatgtga agagtcacaa ctctgcagaa 180
 aacaattgtg taattgatta caccattttg gtagtcgatt accattgaag aatttttttaa 240
 aataactccc aatagtcaca tcttttcaaa tgattttgaa tggccatcaa aggcctatat 300
 atacgtgact tgcgacatga attttctgag agttcttctg aactganatg tcttctctc 360
 tacaaaagat tctcgtcta acattgata ttc 393

<210> 34480
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34480

ttgacttgag tcatcaagag attataaata tgtgaccatg gcatgagttt caataatgac 60
 caatcatcaa tcattcttga atcatctatc tttcaatctt ttttcaacat catatctcaa 120
 acatctttca atcgatcttt caatatcttt ctacagaatt ttctgattta tttctcttca 180
 tctttctaaa agttttttat caacactttc tcttccaaga aaagttcttt gttcaaaaac 240
 ttgtgctatt catctttttc attctcttct cctttttcca aaagaatgaa ggactaaccg 300
 cctgaattct tttgtttctc ttttctccct tacaaaagat tcaaaggact aaccgcctga 360
 gaattctttt gattcttccc ttcccttaa gcaaaagatt tcaaaggact aaccgcctga 420
 gatattcttt 430

agttttctag ttgagtgata agccaancag cctaggggaat gacgcattaa aatattcatg 60
ctcgcccgaa tgattgcgca tgggagagac attagctacg cgcaatgcct atatgaccta 120
tgagtgaggc ttaacgagcc t 141

<210> 34484
<211> 373
<212> DNA
<213> Glycine max

<400> 34484

ttcaaaatat ggctgcagct tttggctttt ccaaacttgc aggtactact atatttattg 60
tattctagtg tcaagaatct cataattaaa tatttttctca tcttatgccca catatataac 120
taatggggat ggtcatttgt atttggtaat aagactcaac aggtgtggca aaagttgtag 180
gttaaggtgg acgaactact tgaggcctga tattaaaaga gggaaatttt cccaagaaga 240
agaacaaaca attctggatc tccatgctgt ccttggaac aagtaaata tcaacaccac 300
tatagcacct actatttaat gtgttttgat gttaattata tccttaatta aaagactgct 360
cattattatg gat 373

<210> 34485
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34485

agcttataat tacatttttg cctcaatcat ttccaaatat gcatgtgaat taagacgcat 60
cagcaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactcttatt gtcaaaacaa taaccatttt cttgaacata tcctataatt catagaanaa 300
catgcatagt cgcacgtgca caaaaaattg acccaacata tgaaactaaa aatccgacga 360
aactgacaac attaacaaat taacagatta acaaaactag cagacacaaa gaacactccc 420
gcgcccccat acttaaacaa caca 444

<210> 34486
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34486

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 cggaatgggt ttaggcaaag acaacggcgg cattactagc ctgataaatg ccaaaggaaa 120
 tcgtgggaag tatgggttag gctataagcc cactcaggca gatataaaga gaagcatcgt 180
 gggaaggaag agcggtagtc aaagctcgcg gttgagacaa gaaggtgaag gaagcccacc 240
 ctgccacata agtagcagct ttataagcgc gggctctgggg gatgaaggtc aagtggtcgt 300
 gatatacgaa gatgatgttc cgagtacatt ggatttggtg cgaccatgcc ttcctgattt 360
 ccagctggga aattggcaag tggaggaatg ccncagcatt tacgcaacga gcataat 417

<210> 34487
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34487

agtttgtaat ttattttatg aaagccattc aataatatct aaccattttc caatcgtggt 60
 tatgcatcca tatacaatac atgtgtcctg atattcctta attgcttatt gactacaagt 120
 ctacaacgtc aaccacatac attttccttc gatcccttcc atccaaagga aacaaaacat 180
 aaaagtgaag gcataaacia gaacggaaat ggctctacaa caataattct atatttacgt 240
 acaagcaaag aatgcaacat catcacgaat gtattacttg gacgtgaact aactcaaaaa 300
 caatagtgtc agaaccagat tanagctatg tacgtcatga tgaagaagaa attatatatg 360
 atatgatatc atgcgttatg ggcacagaag atcgttgcct ggcccacat aatataagca 420
 tgtgccacat tattacta 438

<210> 34488
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34488

tatggaaata tataatgcta gtggctatca ctacctttat aatttatgtt caaaaatcta 60
 ctctctcag tttagagatg atgatgaaac ttgaaagttg cgaccatctt atatcatcaa 120
 ttcatttttt tattgggaaa aatttaagtg agttggattc gagagaactc attaggatta 180
 gaagagactc aagactaaaa aacgcttaca aattactcac caaacaaggt tctaatatca 240
 aaagcgaaaa tcgaactcac gtttttgtgg gatatgagtt tcttccttac caattggacc 300
 acaatctgtt ggcttatatc atctattcat aaacctatgg caatcgctcc actaattgggt 360
 gcataaaaag tgtataaaaa agaaagttcg gataagatag agcaacaaac acgggtgccga 420
 cacttcttaa 430

<210> 34489
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34489

agtttgatgt tgacacaaaa gtctaatatg tttgatgcac ctttcaaata catgggtgcct 60
 gaagatgtca gtaatcatgc tatggccatc ttaaccaatt tttttttttt tgcaatctgc 120
 ttatagctga ttttattttg attcttttgt ttctagaagg aaattcccga cagacctttg 180
 ccatcacatt ggactccttc tatgcagggtg aaaaacatat tctggtttga actttgatcc 240
 aatttgtgtt ggtatcttga tcatgcacac ttgtgtttgt catacataaa aaggttgact 300
 ctgtacatct ctcttttaaa taggcatata acacttgtgg gtctactcca actccctttt 360
 taaatcaaca ggcagctggg tctcacatgc ctctctacat gtgggtaaat catgtactga 420
 tatacatacc attgcc 436

<210> 34490
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34490

tgcagcacac tagcaaacgt agaattatgt ggaacattag atgtttgcct cattcgacaa 60
 aacaactcca aagcctccct acttttatca ctctgagcat accgcgctat catgagactc 120
 caaggaataa gatcatcttt cggcatttct tcaaaaaact gctgcgtctc agpaatctct 180

ccagacttgg ttaacaattc aagcagcaca gtgccaacat aaagatccct atcataacac 240
gctttcaaag cacatccatg aacacttttc ccaacctcaa aattgttcgg tctaaacccc 300
ataacctca tctggcagaa aagtagcaac gaatcttcat ggcagtaatt ctacgcatag 360
caagccatca tcccagtcca agataccatg cccttacaac aaatcccatc ataaacttgg 420
cacgcagcga taaca 435

<210> 34491
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34491

agcttgtctt gcaccttttg tggaatcctt taaccagaat acctttatct ttttcctaa 60
attattaatg aataaattgc ttgttggttt gagattaaat gattgtttct ttttgccag 120
tctcttaa at tttttctta ttgaattttt tcttttgggc atcattcagc tcacttttgg 180
catcccaggc tcatagagga acttaattta atttgtttgt cagagtatag ttaagtttgc 240
acctacatgt tttactttta atcttatgca ccttgatggg aattataact atttaatttg 300
ctttatgggt atttcttatt gaaaattatt gtacattccc tttaacagct tatcatgtct 360
tttcttaacg gtatattcat ttgttgccgg cctgcgatgt gngnggtgtat tctacgtgat 420
ggaaattctt gtccatgatc t 441

<210> 34492
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34492

tgataatttc cacatctaaa atgggtggaac ttgaggtttg ccaagtgcta tcaattgcta 60
gcttcgtgtt cttgctcatg gaagtgatag ggaaggtaga ggaattggtg aaagaggtgg 120
aggagctcga agacattgct gggttttcgca ccaccacaac ttcattgtct tcgtagaacc 180
catcttttga tacaatgata ttatgtaaaa accacttccc aattttgggt catgagttag 240
aaatatgtgt tttcttggta ccaaaaaaaaa aaacacattt ttaattagaa atatgaattt 300

gagtgtatca tccaaagtat agtaattgag gtcagatgca attaggtatt taactgtgtt 360
 tgtattaatg aaaatganaa cattactgaa gtgtcataac cggtaaactg aacctagacg 420
 caacttttcc a 431

<210> 34493
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34493

agtttgggct aagcgagtca gtctcgctaa gcccaaagca atttagtttt ccgagttttt 60
 gttcatgcgc taagcgagtt agtctcgcta agcgcaattt cttctttatt tttgaattag 120
 gcttagtgag cttgctcgct aagccaatca tgttccagtg gtcaagtttg gctaaacgct 180
 tgctggcgct aagcctgtgt agtgtgtcgt gctaagcaag tcagtctcgc taagcgcaat 240
 tagctctctg tgagagaata aggcttagcg agccatgctc gcttagccat tgtgttcggt 300
 tagctaagcg agtatgtctc tcttagccag agtctatngt tttgtgttgt cgcgctaagc 360
 gcgccttgcg cgctaagctt gagctggtaa tttcataaag cacgctaagc gagatagtct 420
 cgct 424

<210> 34494
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34494

tgcttgtggg gcttctatga aggctggatc tttgagtctt aatgggggtcc tttaatggtg 60
 attttcctcc atggagatgc agcggaagac aaaggagaag aggtgagagg aggtgccatc 120
 cactatggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataaaaa 180
 gcttggagag gatgcttcaa tggaggaaaa gaaagatgga gagaaagaga ggggggtggg 240
 ggagcacgaa attgaaggaa gaaaagaggg agagaagttg aactttgagt tgtgtctcac 300
 aagactctca ttcatcaaag ttacaacaag tgttacacat gcttctatct atagactang 360
 tagcttcctt gagaagtttt cttgagaaaa cttccttgag aagcttcttt gagaaaac 418

<210> 34495
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34495

ntgactttga gttgtcgagt ngcacnncac nngnaaccgg caccgcgcga agcagaccag 60
 ctagaangca actcttcgca tttcagttgt ttccccgcgc cacacaacaa gatcacactg 120
 tgttgaagat cagtcaacac acgacggcag aactgaggcc tgtatggtat acgatgcacg 180
 gctacacaat tgggcgcaaa aaccacaccc aacagatgtc tcattgatgc gctcgcgata 240
 aatactcccc atcgtaactc accactgttc aattgaacct ctcaacccat acagacctgg 300
 cctcaaaaag cacagatttc aagtcaccca atgccaatga catcgatgtc cagtacatgt 360
 aatcgattac cgaagcacac gaataagtgt aataagatac acataatact gacccgacta 420
 ccagagattc ccaacgctgg gactttaaat catcgctgcg tgacccttca cacacaccga 480
 atcacctaac tgggacacta tcagaatacc tcgccctctc catcatttca aacg 534

<210> 34496
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34496

agcttgaagt gatctctatt ctgatgtgtg tggtcctttt gaagtgaaat ctctaggagg 60
 taacagttac tttatgtcat tcattgatga atttactaga aaaatgtgga cctatctcat 120
 taagcagaaa agtgaagtgt ttaacatttt taagaagttt aagctgtcga gtgaaaaaca 180
 aagtgtagat gcaattggct ttgatgtttt gatgatgatc atgatgatgt gttgcaattg 240
 atgcaaattg gcttttcaag attaaaattc aagacaatac ttcaagatta caaggcacia 300
 catcaagatg atcactagaa tattangaag ggaattccta attgaattag caaaggtttg 360
 gccaaagtat ttacaataaa aagtgttttt cacagctttt actctctggt aatcgattac 420
 cagacgatgt aatc 434

<210> 34497
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34497

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 gagtccaaca agcatgcaat aggaatgcaa ggtgtggtat tgtattccaa atcaaaggat 120
 tcatctatgt tactcactca tggctcgagta aaacaatatc tgttgagtga aaatgtaatt 180
 caattgtcca agatataaac ttcttctctga aagcattgta tgaaggaaaa attagcaatc 240
 aaaaaatgaa gcattcttat aatctacatc tccatctggc atcaatgtgt taaaaagaaa 300
 tcatcacaac ttgataaaaa ctttataaca agagccccgc atatccactt tgtatatcac 360
 gtatatggta tataccaaaa gatcaaaatt aaacaaggaa acagtaatga anaaagtac 419

<210> 34498
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34498

agcttttgagc caaaatccta actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
 ttaccctcgg aagcaaaaaa gaagagaagg aaaatttcca atcaaagaaa aaaaagagaa 120
 ggaaaatttc caatcaaaga gaaagcaaaa aaaggagaga aggaaaattt ccaatcaaag 180
 gaaaaaagag aggaaaggaa attcccaatc aaagagtggg agaaagagaa aagaaaagaa 240
 agataattcc caaccaaaaga gtgggagaaa gtaaaaggaa ggaaagacag ctctgatca 300
 aggatcgaaa gatatcagaa gacatgtgca aaaaggtctt tggaccggac aatatctgta 360
 caatacagaa ttgtcaccaa atgaac 386

<210> 34499
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34499

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tcttctcatc cctatctctc tttcaaccac ctgtacactt ccagcgatgt tgatttactg 120
 tggggcacac attacaaacc gaagtagaag acctcagcta gctttgtgtc aacctttgat 180
 agaaacctca ttcggtcagc tcgtgtgtag aacgctatgg actccaccat agtcttcctc 240
 t 241

<210> 34500
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34500

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 acatcacgcg ggctaccatc aaagcggcgc tagacgagcg tggttgcacc ggggagactc 120
 aacataggcg ttgcttacca cttacaaagc ttggaaggac gtctctaagg attcttcgac 180
 ggcttccaca tatggtgtag aagagggaca actcacaacg atgtcttctc ccccgagac 240
 tatgattagc tacccttcta ccacaaactt caatatttgg tggagcattg aagggactac 300
 cccgactgag tgaatccaag gccggcctan aaggcagcta taggccgggt tgatatccat 360
 cacttgaac atgatatgac agatgtgcgg tccaatctga attgggagat caatctcgcc 420
 ctttacgtct 430

<210> 34501
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34501

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 tatatttata tggaaatatg ggaggctaata gctaacctct tgagaccttt tatccttttc 120
 tcttttttgg gagcgaggctc ttgtatggaa cctatgcctc cctccatagt agtcacttaa 180
 ctcttcaactc aaacttttac aagtctcatg actaccatag gaagcatttc tgctcttctc 240
 taattctttc attaatcttc ttctttcttc ctctcttatt ttctctcttt catcttgtct 300
 tattttcttc actcttttgt taccttttct tttctctctt gtttttcttt ccacaactta 360

<210> 34504
<211> 427
<212> DNA
<213> Glycine max

<400> 34504

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aagcccaaca gaatgatgcc aagaccgact caacacgcgc aagaacaaga acaacctcaa 120
gcttcatgac aagaaatcaa gacgttggat atcaagactc acgagacgac gaactcaaga 180
atcaggagaa tacatcaaga agactccacc agggacgtac cgaaaaaaat cctcaaaaaa 240
caaacatagc acagctccgc gtctaaaacc gggcccacac aattgactaa ggtactagac 300
gactcactct ctgggaaacg aataccatcg acctggaatc gactaccacg ggccaagctt 360
gaggcccaaa gcttctaacc gaacgggcaa tggctcacta cgacgttaac gggcgccacc 420
gaccccg 427

<210> 34505
<211> 367
<212> DNA
<213> Glycine max

<400> 34505

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cgagagatga ggctccaag ctccaacaat gttcgactgg tcgcagcgaa ggacaccatc 120
atacatgcca tcaagatcat ttttcttgtc tgaataatac cttgttgatg cttacagggc 180
tggctctgcag gaagaatatg ctggccaagt ctgtttattc aagccaaaaa tcatgacata 240
agctcggcac atatacaaga tatcacactg caatggaagg ctgagaggaa tatgttgact 300
aacaacacga gttacatggc tgctgacaat gttaacatag cagcaagtac acaagatcag 360
tggaagt 367

<210> 34506
<211> 431
<212> DNA
<213> Glycine max

<400> 34506

tctattatta acagtttagt tctagtgcac tgaactttgt ttattagcag tttgattaat 60

aaaacttaaa acagtttagg tttagttttt tataaaataa ttcagttttt aatagtttaa 120
 ttcatttttg tattaaagta gttcacagat caaaataatt ttttggacac ccctaaatac 180
 tttccatttg ataatggcat aatatatggg agaatttaca taactcatga atgatactta 240
 ctaggcctac tgcaatgtca aggtgatact tgcgtcctgt agtgtgcact gctccaccac 300
 gactagaagt cgggttaaaa ttatcattta tcacatcacc tactaggaat ttagaagaca 360
 ctcagtataa atgctaaaag aggaagttaa atgatatgaa gataacaaat tagatgatct 420
 aaaacgaagc a 431

<210> 34507
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34507

gtntttnttt ttttttttac ttttaaaagn tccttctttg aagttttttt ttaaattggaa 60
 aacaaaacaa aagaaaaaaa ataatgaaa atttttgtaa aaaagaaact tataacttca 120
 aaatactaag attaaaaata atatatatat atatatatat atatatatat atatatatat 180
 atatatatat atatatatat ttgaagtagt aaataaataa aaaattaaat tgaagttgta 240
 aaaattttat aacttttagt aaaaaaaaat aataataaat tataatagat gttaaattctt 300
 ttaactcaca ctttataata ctatttcatt ttctataata attttagaat caatcctaaa 360
 taaaaaaatt acaccgtct aatataattg aacagagagg gttcaccttt ctctcactct 420
 gtttcacaa 429

<210> 34508
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34508

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 agtggatggg gcctcttctc acctcttttc ctttgtcttc cgctgaatct ccatgggtgaa 120
 aaatcaccat tgaatgaagc tcaaagatcc agcctccata gaagcttcac aagcaagctt 180

ccatcacttt ctctccctct cctccactc atcttctctt accttcaagc tcttaccat 240
 ggcttcctat gttggtgagc tntttcttga ctcatctttt ccttgaagtg gcgtctccaa 300
 tcatctttct tccatctcca ttctgctacc gttaaacttc aagaagcaag ggactccatt 360
 gatgaagatg atccaaggcc tatatgctcc acattgagtt acattacgaa atatacttgt 420
 ttgacaatgt agacaattac 440

<210> 34509
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34509

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 tctccttggc cattttgagc tataggcttc tcttcttctt ttaaactctt tttcattatg 120
 caattccagt tctaagattt cgttttagca ataaaaattc gttctctatt gattaatgga 180
 aggctaagtc tccagcgctg ttttctcttg aggatcaaac acaattctct ttgaggctct 240
 attattacta ttaaattctg ctcaagtttt cctcttcacc aattactctg tatatgttgc 300
 tatgaattca tgcagtctta gagcttgatg aattgtctat gcaacttaatt tacgttcatg 360
 cttaatgatc gttcatgatt aattggtgta tgtgttgctt aatcacataa tgaatgcctt 420
 atgttaaatt t 431

<210> 34510
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34510

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 aatctccata ggaaagacat ttttaaattc ctgcaataag ggttgaacac taggagaaat 120
 agaaatagta aactcattag aattatgagt agaaatttta ctgtctttgc aatactgtag 180
 attgagtggc tcatgagcag gtaacatttt cctcacttca ctgcctctg caaaataatt 240
 aacttttctc tcatgtgtat cactctcttc ctcggttgta tcaactcttc tcatattcct 300

ttgtggcgcc tcactatittt ctttctcttg atctctctct tctctcattc tgatttgagc 360
atcacacact tctctaggng atagatgttt aagagt 396

<210> 34511
<211> 426
<212> DNA
<213> Glycine max

<400> 34511

tcagaattca atttcgagcg tctcaataga ttacggttac tcaatcagac attcgagcaa 60
aacattattg tcgtttgaat tagctcagag cttcagaatt caatttcgat cgtctcgata 120
tattacgggt ctcaatcaga catctgagta aaaaagttat tatcgttcga atttgctgag 180
agcttcaaca ttcaatttcg agcgtctcga tgttttatgg gacttaatca gacatccgag 240
taaaaagtta ttgccgtttg aatttgctga gagcttcaac attcaatttc gagcatctcg 300
atatattacg ggactcaatc agacatccga gtaaaaagtt atcgtcgttt gaatttggtc 360
agagcttcaa cattcaattt ggagcgtata catatattac gggactcaat cagacatccg 420
agtaaa 426

<210> 34512
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34512

agatgncagt tattcttaga ccacagcacg acccatatac cttgaagcaa aacacctcac 60
tgccattaac ctatggaatt aacaaaaacc tatcggctga gtgtaactga aattgaggta 120
accaaaagtc accccaaca gtcaacaact cagccaccat ttggtctcct aaaaagctga 180
tgccatangtt gccaatggg ccttcattac aacttgatca caacctaact aaagcccttc 240
tacttgatta accacacaca tattctt 267

<210> 34513
<211> 283
<212> DNA
<213> Glycine max

<400> 34513

tccgaacccg gaacataaga tagcgcgacg ctcgatatag tacaacggac gtgctcaaga 60
aattccaaag gtcataactt ttactgaga ggtccaaata tgcaacataa tacatcgaga 120
ccctcgaaat tgaacaacgg aagctctcca gaaaaacgaa tggtcataac tctgcacttg 180
gatgttagaa tttggaacat aatatatcga gacactcgta atagatcaac ggacgctctc 240
agaaattcaa atggtcataa cttctccac ggatgtctga atc 283

<210> 34514
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34514

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ataggggtgta gtaagcaaat gctcacctcc ccctctaaaa tttaattgga ttgggcttct 120
accaattcaa ttaaatttat ttcccaacac acatatcaaa tattcaactta gtgcatgtga 180
aattacaaaa ctacccttaa taaaaaact agtctatgtg ccctaaaata caagagctga 240
aaaatcctat atttctaggg taccctacct acattatgga gccctaaata caaggaccaa 300
atataatgac atcctagtct aatatgtata aagataattg gactcaacct tggcctgtgg 360
gctcagacat ctaccctgag gatcatgaga accctanggt cttcttcacc agctatagcc 420
caatcctctt gg 432

<210> 34515
<211> 425
<212> DNA
<213> Glycine max
<400> 34515

ggacctataa aactcagctt gaggtaatat tcttattcgg attatggtta tagtttttgc 60
aatcatcgga gtcaaggctt atgctgcagg tttgtatcta gatcaatctg tcaccagga 120
attgaatgct tggaaagggc aatcaaaaga tgctattcaa gggaattctt ccttgttcga 180
gaccattttc caatgtaaca actttatatt cagtttttta tttctacaat gctctttgca 240
aagaggcatg ctcagaataa tttgataaac atatatgcct ttatatgatt gcagcttctt 300

ttgagaaatc attgcaaatt gttcttgtca gagatgttga tggtaaaact ttttgcgatg 360
 ccttaagtga tgccatatca ccaagaattc cacaaccac aactacagat gaaactgctt 420
 tgacc 425

<210> 34516
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 34516

agcttgacat cttttgatat atcatacaat cagtttgagg gtccacttcc aaacattcta 60
 gccctccaaa atacttcaat tgaagcattg agaaataata aaggcttgtg tggcaatgac 120
 actggcttgg agccttgcac aacatcaact gcgaagaaat ctcatagtca tatgacaaag 180
 aaagtcttaa tatcagtttt accccttagt ttggtcattc taatgcttgc attatctggt 240
 ttcggagtct ggtatcattt acgccaaaat tcaaagaaaa aacaagacca cgctacagat 300
 ttactatctc caaggagtcc aaacttatta ttaccaacgt ggagtttgag tggcaaatg 360
 atgttcgaga atattatcga agccacacaa tatgttgacg acaaatatct tatt 414

<210> 34517
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34517

tatcataatc gattacatag ttgtttttgt gacaattatt gatttattta ggagtctctg 60
 ttttaattga ttaccatgtc atataatcga ttacttttct ttttataagt gtttcagaag 120
 taaacaagaa cactttaatc gattttcttg agtatcta atcgattacatt gttcttgagt 180
 tgtttctagt tttttggaag aacactacaa ttgattgaaa gataatataa tcaattactt 240
 cattgaatta attaattacc ttgtagattt aattgattac aggcggttat aactgttttc 300
 totataaata accacattgt gttctctcta ataacataac attttgagct tctgaaagag 360
 ctatgatcac gtgttggttat tagttaaaga aagaagagaa gaaaagtgct tagtcataac 420
 ttc 423

<210> 34518

<211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34518

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 gtatatcgag acgctcgaaa ttcaaaataa acctctcagc aaaatgaaac gacaataact 120
 ttttactcga atgtccgaat gaatcccga atatatcgag acgctcgtaa ctgaaaacag 180
 aagctctgag caaattcaaa agataataac tttttactcg tacgtccgat tgtttctgt 240
 agtatatcga gaccctcgta attgaaacca gaagcccga gcaaactcaa acggcaataa 300
 atttttactc ggatgcccga atgaatccca taatatatcg aggcgatcgt aattganaac 360
 agaagctatg agcaaattca aacgacaata actntntact cggatgtccg aatgaatacc 420
 atntaaatcg gat 433

<210> 34519
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 34519

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 aaagttatta tcgtttgatt aggctaagag cttgtgtttt gaatttcgag cgtcttgata 120
 tattacagga ctcaatcaga aatccgattt aaatggatt cattcggaca tccgagtaaa 180
 aagttattgt cgtttgaatt tgctcatagc ttctgttttc aattacgac gccctgatat 240
 attatgggat tcattcgggc atccgagtaa aaatttattg ccgtttgagt ttgctacggg 300
 cttctggttt caattacgag ggtctcgata tactacagga aacaatcgga cgtacgagta 360
 acaagttatt atcttttgaa gttgctcaga gcttctgttc tcagttacga gcgtctcgat 420
 atattacgg 429

<210> 34520
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 34520

agcttattat tttgtcggct gctgatctgc atattagcta cccagtaaca ccctatTTTT 60
 tgtaaaataa ataaggatgc atagttctat taattaaaat aatgggtctta atgtaataa 120
 aataaatatg tttttacaaa ataaaaaaga tgtcttggtt atttatttca atacggagta 180
 aaataaagct ctctttcaaa attgctctcc cttcttcata tccaaaaact ctctctttct 240
 accgcataca cgcaaatcta tcgcaataaa actatgatcc tagacttgcc aaccattgaa 300
 tcatcctgaa atatggacac caccttcata actcattatt gcacattcct attgttgcca 360
 tttgccaaat aatgtctgt 379

<210> 34521
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34521

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 ccaagagggg ggtgggggtg aattgggttc taaatcataa tagactttta aaaaccagag 120
 gaaacaaaac ttcttttcca aggatcgtat cacaaaattt tgataaacca atatttaatc 180
 aatcaccctt tacacaaaat cctttgttaa agtttgtcat accctaattt cgtccgggga 240
 cctttgcttg atgacatgcg acctttcttt ggtccttggt aggtgcttgg taccatcat 300
 tacgcaattt gtgaaattcc aggacatgcc gaaaaacaca aataaatatt gatgcacaat 360
 ccgtatgtat ccgtgacaca ccggaaatca aatggaagca tcgttgcatc attaatgag 420
 ggttcataac 430

<210> 34522
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34522

tcaagtttgg agaggatgct tcaatggagg caaaaaaaga gggagagaaa gaaagagggg 60
 ggagcatgaa attgaaggaa gaaaaagggg gagaagttga actttgagtt gtgtctcaca 120
 agactctcat tcatcaaagt tacaacaagt gttacacatg tttctattta tagactaggt 180

caccatgggtt ctcactttca gtagcatcgt gcaaccata aatgaatatt actaaatttc 420
cttttcacac attaatccca ctatgcatcg gcat 454

<210> 34525
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34525

taatcatagg aaacaaaatc aatccattgt gtaagttacg tgtagaggct tgctttttat 60
gcttctctgt tgtttgtttg cgaattttta taaatnttct aaacatctaa tattttgtta 120
attcaattca agtagatatt aaagtaacta tcattccaaa caacaaagtt ttggctaaag 180
gataatgtac ccttggcgca cgcagttcaa ttaaatccta ttaaaatatac tttatggaaa 240
tttaattggt gaatagacat ttttgtaaat tcattacagc aaatattttt attttttaat 300
aaaggttggt gcaatgtcaa gattggagta cacgcaaaat tacttgtgag aaaagataat 360
cggaaaaatc atagcaatag ccaataagaa gataagcaac gtcagtacat cagctc 416

<210> 34526
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34526

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agaggggtgc aagtggcagg ttcttgaaga ctgctgctta tggccacttt ggaagagatg 120
accagactt cacatgggag gtggtcaagc ctctaaagtg ggaataatgc catgaataaa 180
gctgattgcc aagaaactat gtttgatctt atatgctttc atacctaaga tccgtgatat 240
gattttgcct tagcttttgt atctttataa ataaataaaa catatatatg tcgagttgag 300
tatatgaaca tacaaaggaa gctgcatagc agcatcaatg tactattgga agttaatggt 360
tgagatatat ccgttacgat cgctatccat tatccattat gtttcctctc aattgctgag 420
agtcttagag aatcttga 438

<210> 34527

<211> 432
 <212> DNA
 <213> Glycine max

<400> 34527

tgtagttaa atttgttttg agttacatat atgggttttg tgatttggtg tcaactctta 60
 tttctcttta tgggtttccat ttcactttga attttattat tcattcctca tgtaatttat 120
 taggtacact aataataaat ggacttgcac aggggaagggtg attttccaac ttagattcta 180
 cagttgcatt ctttatcttc acttcacac caattacaag caaacataat tataacttgt 240
 atgtatatca tcagttcacc accaatttgt atctatatcc ttacgcaagt ttctgttttc 300
 ttttgataag ttcaagtcac tatcatcaaa tcagttaaag ggaagcattc cagatgcctt 360
 atcattgtta actcaattgt cagacttggt agtttatagc attgcctcat ctcaatacta 420
 agttgttata tt 432

<210> 34528
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34528

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 cgttactctt taaagcaaaa atggcatata acctcctccc ataaattcaa acatcaatgt 120
 aaatttagag taagcttatg cgcatacttc cttacaaatg ttctcttgca cagcacattc 180
 tattaaccga aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttat 240
 acgtacctcc aaggtgtatt tgttacttac atcacacaca tctccttggc taaactcaca 300
 tacatgcata ctcaagcatt ttggggcacc aaaaattgca catgtgcaca tcttggcatt 360
 tetaatacct acatacgcaa acttcacgat gaatctngac tatctacaca ataaggtgct 420
 acatttcacg ctcttttc 438

<210> 34529
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34529

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gtcatcctgc ttggacgaat gagaaaactg gggcaaataga agagggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaacc caacaatgtc 180
attactcagc caataacaaa cctcctcctt acccaccgcc cagttatcca caaaggccat 240
ccctaaatca accacaaagc ctgtctaccg cactttccaat gacgaagacc accttttagca 300
caaaccacaaa aacaccaaca aaaaggaatt ttgcagcaaa aagcctgtag ggttcacccc 360
aaattccgtt gtcatatgct cgaacgcaac gtgtgcttat aatggaggag ccccggtgca 420
ttccattgag cat 433

<210> 34530

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34530

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aactacccat catatctccc aaagacccaa taccacagaa tttcatgtga gaagaagtcc 120
accatacct gaaattcgaa gtcccacaac gtagagggtgc gtttcacgac ttcgaaaatg 180
gcttcctttt gcaatttggg gtagaagtga tgagcaaagt ttggagcttt aatgggcaac 240
aatggtggag gagaaaggga gaagaaaagc aacgtgggag atgaggaaaa agcttctgaa 300
aatctgctga gcgaagtgag agagtgtggc tntttataaaa aaaaactttc tttttcctat 360
tgttttattt cttaacagca cttgccactt gtcccattgt gagtggaaca aanaggggcc 420
cacttttctc tcgatgtga 439

<210> 34531

<211> 363

<212> DNA

<213> Glycine max

<400> 34531

gggagggcga cgcgagactc acgggtgcgt cttccaagaa aggaaaatgc atggagtcgc 60
caccaacgtt tatttgggga aaacatccga aaaaccgaaa aagacgtggt ctacaaactt 120

taagtgtgag gctcgagagt tgtatttacg cacggggaag gtattatcac ctgttagaca 180
 agtggcctca gatattctta gaaggggggg ttgaattaag atattccaaa ctgtttcccc 240
 taattaaaaa tctattttat tttttactca agttataaat tcccttaatg acaatcttct 300
 taaatattaa ttcaaatgaa gcaacttgaa tatgattata tagcaataat atatatagga 360
 gat 363

<210> 34532
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34532

agtttctgnt tttgatttat anngggcnaa agaagctatt gaattttggtt cccagcacat 60
 cgaaacagct caagttgttg ggcttcctga aactcgtgat gaccggacat ggggaggtaa 120
 gggtagacga agatacaatg ttgtaacaat gattcgacaa aatgtcttac aagtgcattg 180
 gtatatctcg aataacacat aagaggttct tccttacata cacactcaca aaaagtatct 240
 gacagctatt caccacaaaa tgaacatgat gaaagtgttg cacgagcata atagaacttt 300
 catacatcgg ttaaagacat aatcttctct gatga 335

<210> 34533
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 34533

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 catatacact actatatcga tcagaaagta tgagcatata tgtatgcgta ttcaaccag 120
 ataatattta aaaaggaaat caaaatacag aacaaggaaa cgaatggata gagtataatc 180
 atggtagagac ttgacgtgg tgtgatttta aggagtctag attatggaat tattaacaca 240
 agattcttag catgcagtta tatttgagga ttacttgtca tcatggatag aatgtgattg 300
 gataatcata gaagacttat attttttatc catttaatac cgatagctga cgctgtctat 360
 cttaaactct taatacaatc acggatatat aaataaacia atacgtacac ttatagtata 420

tattggccaa caca

434

<210> 34534
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34534

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atttgatcat cctactagga cgactgagaa aactggggca aatgaagagg gtgagaaaga 120
gggagaaacc catgctgtga ctgccattcc tatacggcca agtttcccac caaccaaca 180
atgtcattac tcagccaata acaaacctcc tccttaccga ccaccagtt atccacaaag 240
gccatcccta aatctaccac aaagtctgtc taccgcactt cccatgacga acaccacctt 300
tagcacaaac canaaacatc aaccaagaag tgaatcttgc agcgagaaag cctgtataat 360
tcacccaat tccagtgtcc tatgccaac ttgatcccat atctacatga taattcaat 419

<210> 34535
<211> 430
<212> DNA
<213> Glycine max

<400> 34535

tgacactatg aaactcagct agcatacaaa ttatccctta actgggctta ggtacttgat 60
tgagacttgg gttcctagga aaaaaagcta taatatttca acttgggtctt agcctttatg 120
caatgggaat aggttgaagt tctaggcata aacaaattca gtttgatcac catggacttg 180
tttagtctag acaataagaa cttcttcaaa tagtggaggt tgagttgctt aattttgttt 240
tataggtagc actcattttg ttagttttaga tatgacatgt ttagtcttaa aggttgtaga 300
acttcttctc ctattaaagg aaagaatggt ctgatcatca ttttttctta gtggaccaac 360
attagtttgt gtaaccactt gatcttcctt cataataatt tatttaaact taatctttaa 420
tgatctcttt 430

<210> 34536
<211> 436
<212> DNA
<213> Glycine max

<400> 34536

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 acgacctaac tcctatagtg gtgaaagaaa cctctgtctc acactatcac aggaaaacgg 120
 ttgacatttc accacaagac gagaatttgg aattgcacat agtatctttg cccagacctg 180
 cagtaccttg ggtcgtaatc tgaataaata aaacaacatg aatcacggga tacacgactt 240
 acctcttaca attaggtatt cataatctaa aatacaagta cgtgatatat ttaacaatat 300
 tactaccctt ggcaagattg ttggaactac caattgcaac gaagccattg gtaagagcat 360
 gagctggaca aactcgacca gcctcacggg attgagtgtg accaaggaag cattccgggt 420
 atcgaactat ctcttc 436

<210> 34537

<211> 427

<212> DNA

<213> Glycine max

<400> 34537

tcaggcaatt atctaattcg tcatgaataa tactatctca taagcttaca ctttctatgt 60
 agagacatgt gaatggtttt ctattatatc cctaacataa ctaacaaatt aactaaaggc 120
 tgtagcaaat gatttcatta atataagaga cagcctccct tacctacca cccaataatt 180
 gcttttacca ctttccaaaa gattaaataa aatgaaagc attaccaaga tacagggaac 240
 attgacatgg ttttaatactg tttatgttgc aagtgttaga cagcttatgg ttccatattt 300
 gtaggggcag atgtgtcttt gaataagtct atcacattat taggaaatag tgggtcatat 360
 atgcgtaata tacgtgagca gttctctttt gttttcaagt ccacaactct gatgtaacgc 420
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<210> 34538

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34538

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 ggaaatggcc ccgaggaagc ttgcctcaca gaggtccagg agggacaagg cagccgaagg 180
 aactagtttcc gctccggagt atgacagtca ccgctctatg agcgctgtac accagcagcg 240
 cttctaggcc atcaagggat ggtcgtttct ccgggagcga cgcgtccagc tcacggacga 300
 cgagtatact gattttccagg aggaaatatg gcgccagcag tgggcatcac tggttactcc 360
 catggccaag cttgatccag aaatacgtct tgagtcttat gccaat 406

<210> 34539
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 34539

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 cgggggtgcta ctgccccaaa ccaagcttga ccaatcccga cccaaccggg gcatagccgg 180
 tcagtgagaa cctgtgatgt acctaaacag gcgagctcct ggcagtcaac agataaaagg 240
 aacagagacc acaaagcaag gacgcttgcg gaggct 276

<210> 34540
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34540

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 tctatcatat gctgacaata gccgagaagc ccgtgaatct cttcgggggt ggagtaggtg 180
 tctgccatcg ccttggcctt ggctaacaat cggagaagtt cttgactccc gttcaaggta 240
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 ctagectctt tttccgcata tacttgagca tactcatccg cgattctatg ctcggtgggc 360
 gtggctagac ctaactcttc ttcgtacttg gcgatgatag ctaacatggt ggtctctgtc 420
 tcgcata 427

<210> 34541
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 34541

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 gggctaagct cagcatttgg gctaagcgca tatccaccgc taagcgcgagc tgcagcgcg 180
 ttagcgcaaa ggagaatctg gcagagcatc aacatcaaag ccacgcgcta agcgcacgat 240
 cagtgcgcta agcgcgagcat gtgccttcag caaggctaag ctcgagactg gcgctgagct 300
 cgatatcact tactctcgct aagcgctagg gtggcgctaa gcacaacatc gcgattgtag 360
 agcctat 367

<210> 34542
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34542

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 acctaagaaa actatattat ctacacaaaa ggtacacttc tctatatttg catagagggt 180
 gtttttccta aggactgaaa gaacttgtct gagatgtcct aagtgatcat ctaggctcct 240
 actatacact aaaatatcat caaaataaac aactacaaat ctacctatga aatcccttaa 300
 gacatgattc ataagcctca taaaggtgct tgggtgcatta gtgagcccan naggcatcac 360
 tagccattca tacaaaccaa acttgggtctt gaaagcagtt ntccactcat c 411

<210> 34543
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34543

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 aggtgtttac gtagttcatc tgtaccatct ccttcaacgt ggcaacttat aattgtcatt 180
 tccggctcct caaaaactat aaaatccaat cccttgatat cctcagttcc aacctgtgaa 240
 catcaaccca agcttacaac agagcagaac attgacagca aatctaaagc agatagctac 300
 cgggaactaa ccttgacagc aatagaatct ggagatgcac gctctatatt agaactgccc 360
 acgtcccttt tagccacttt aacaacatag tcagtatcag gcagtagtcc tctcagacga 420
 taat 424

<210> 34544
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 34544
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 ttcatatttt taaattgaat gtcaattttt ttcaaaaaat ataccaataa taaaaaataa 180
 tcttgtatca agatataaat gtttatgtaa atctaaaatt aaaatattta tttactgtat 240
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<210> 34545
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34545

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 ttccaaggat tgcaataaaa ctaggcatat tcgaatgtaa cttaagaaaa tagatgaaaa 180
 ataagaagca gaaattttta aggtactagg ctgcctccta gtagcgcttc tttaacgtct 240
 tgagccggac ctgngatgat gatctattga tcgcggggccc agcacctact cgtacctgcc 300
 cctaagcttt tgaatacaag aaatgacaac atgcagtana tgcaaaacaa catcacaaaa 360

ccgatattac ctttcgctta ccttttatct agaatttggg gtggtattga ccatcg 416

<210> 34546
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34546

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 gtggtaccta gagatatgtc gcaggggtca tgagaccttg gggatgtcgg gtgggggtgct 120
 attgccccaa accaagcttg accaatcccg acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa ccgataaaaag aacaaagacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctatgg atcttgagta atatgtggaa 300
 tatagcctct ggtaatcgat taccaagggg gggtaatcga ttacaaggct tanaaatgaa 360
 gacaggaagt taagatggtc tctggtaatc gattaccaag ggtgtgtaat caattactac 420
 gcctaaaaat gggat 435

<210> 34547
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34547

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 cgctacaaa cactaaatct gcaaagcttg atggcatgta acccaccatc gtctcatagt 120
 aaaacactgg taatgtgtcc actatcattg ttatcatctc cttctccatt attgggggca 180
 ctacttgagc taccagatcc ctccaccttt ggggtgtattc tttgaaagat tcatgtctcc 240
 tcttacacat gttttgtagc tacattttat ccggagccat attagaattg tactgatact 300
 gccattgaa ggcaaccatt aggtcctttc aggaacggac ccggaaggt tccatattag 360
 tataccaggt gacagctgtc ccagtaagac tttcctggaa gaatgcataa acaatntttc 420
 gtctttcatg ta 432

<210> 34548
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34548

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taactccctt gaggggcatt tgtattgggt gttatcttgg ttgtttcatc ttagtacatt 120
ttgatatttg tattgcatca tgcacatcgc tggtttatgt gaagaaaagc ttctaagtta 180
gaaagtttat tcagaggaaa taactctcta ttttaatcgg ttacatcctc atcgcaatcc 240
attacaacaa gttgtctaaa gcttaaagag ttgagtctca tattagttta atcgattata 300
gtagtctttt aatcgattac actggttgtt gagatagtga ctgatttatt caggagtctc 360
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<210> 34549
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34549

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gggtcctcct ctatatccat aaccacgaaa tctgcaggaa atacaagctg cttgacttga 180
ataaacacat cctcaatcac tccatacggc ctagtaatgg agcgatcagc caactggagg 240
gttatacatg tgggcattat ctctatctct ccaagtcgcc agcacatgga tagaggcatt 300
aaattgatac tagctcccaa gtctatgaga gctntaccta caacaacctc accaatagaa 360
cacggtatag tgacacttcc gggatcatta tgcttcggng gaaggatgag ttgaatgact 420
gtactacagt tac 433
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<210> 34550
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34550

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aacagcatta ttgtaatagc atatttataaa ccaaaactta atccgcagat ccctcattta 180
agactcagtt tcaattctgc ttcattcaag ttctaaggca atagtacatt tcccaatgct 240
aaagccacct aacagaaggt tcaggctagg atataagcct acatatgcca acgtgagggg 300
aagtgcccaa gaaaggaggg gtagaagcat gggccagcca caaggaccgc aagtgaaggg 360
gattccctta tgtcacatca acanaagctt tgtcagcaca agttggatgt gtg 413

<210> 34551
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34551

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acattcgcgt taatataagc attatcttgt aaactaactt ctaaagtgtt gttctcgcag 180
gaaatggccc cgaggaaaact tgcctcaaag agatccagga aggataaagc ggccgaagga 240
accagttccg ctcccagagta tgacagtcac cgcttttagga gcgctgaaca ccagcagcgc 300
ttcgaggcca tcaagggatg gtcatttctc cgggagtgc gcgtccagct cagggacgac 360
gagtataccg atttccagga ggagatagtt cgtcggcggt gggcatcact ggtcaccccc 420
atggccatg 429

<210> 34552
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34552

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ggcaagattg gatgagggaa agtgtgattt tcgaaatctg cacttatgca gaattttgct 120
gtcaaatagg tacagcagaa ttttggcttt gtgcaaaaaa atgctatgca tttgctgggt 180

agaggctnga accacaacaa ggatgtccag cttanacgat gttaaataag cgctcttggg 360
aggcaatcta gtatTTTTca actcttcttt taatatnnn tttctgatta cgtaattgtg 420
ttgtgtaata tcta 434

<210> 34555
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34555

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atatttttTgt tattatatta ttctttacct ctctcttaga gatgcaaaat tgtgtaacaa 180
attacttctt tcaatttgat atgacaattt agttcatcta agttacgaga gcatgcataa 240
caaaattttt actgtcaaTt acatccaaca atgtcatgca attttggTca ttntttacaa 300
attgaaaaaa tagatgttgg gataaattta tctcactttt taaaagaga taaaatttta 360
tttttttcta atttaggaac tcaaTtgga ggcgattac 399

<210> 34556
<211> 412
<212> DNA
<213> Glycine max
<400> 34556

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ttcgacttca gtttcaggta aaaggatgaa gaagataaag gtcagtagct ggtgtctcgc 180
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gcgagttggg aaaaacttct atggattttc taatttttga attgggctga gcaagtcttc 300
ccgctaagcg cgtggatttg aattctaaaa actcaaaagt cattgagtgc tcgcttagca 360
agtgaccggc gcttagcgag gcagtcgaaa ctgccaaaaa taaagcttaa ct 412

<210> 34557

<211> 422
<212> DNA
<213> Glycine max

<400> 34557

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tggtaggatt gtgaatcact agtatgtttg tgcatttgctc ggggttggct tctattccct 120
gatgtctaata catgaaccgc aagaactttc caccgcctac cccaaaagtg cttttttcca 180
ggttgaggcg catgacgtac ttatggattt ctctgaacac ctcttctaag tatgccacgt 240
gttaggctat gctttgagac ttgacaatca tgcctcaac ctagaccttg agattttttc 300
tgatatgttg tttgaagatc cggctctatca gtcttttagta tgggggtgcct acattttttc 360
ggccaaaagg catgacccta tagcagaagt tagcatccac aggtatgaat gtcattttct 420
ct 422

<210> 34558
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34558

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gagaggctgc cttaatgagg agtcctatag aagctcgagc tgatctacgc acacctctat 180
gcttgctaag cgcacctgcg tgagatgaca agctagagct tagcgtcaca cccactataa 240
tagctaagct ccccccatg acacattgca tgagaatata attaatcccc tactactaag 300
actactcgag atgcctctca ttacagggca tacaccctat actactagan tggccaatac 360
act 363

<210> 34559
<211> 359
<212> DNA
<213> Glycine max

<400> 34559

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ctaggcgctt tcgtaacgct ttcgtgacgt ttacgtgggt gatttcgcga tgatattcaa 180
ccgttcttcg tcattcttta ttcgttcttc gtcgttcttc ggtcttcaat cggaagagtt 240
ccgaaatcga acttttcaat tcattctatg tacccttagt gtgccccact tgttacgcgt 300
gcttttattt tcatttcatt gacttttcgt acccgctttt gatgtgctct agtcattta 359

<210> 34560
<211> 416
<212> DNA
<213> Glycine max

<400> 34560

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tggcgcatth ggaggtagaa acggagggca tcaagggggt gggagcagcg gatgagggcg 120
gtgtagtcga cggagtcctt gtgcgagtgg gggattcggg caaacagttt gcgggcgtgg 180
gaaggagggg ggcaggaggc gtagaggtgg aggagggcgt taaggaggaa gctggagggg 240
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gaggcgcggg cgcattgtcg gagaagagaa cggaatatga gagcacactg ctgttgtgtg 360
gtgtgtgacc atctcatacc ataatatgat atgattattt gagttacgat aaatag 416

<210> 34561
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34561

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tttggataag attttatatg taattattat ttactttgtc aaataacaaa cttaatgtaa 180
caatcttctc attagatagt cattgagaag tgaatagaat gaaatgcac ttatttggtt 240
atttaatttc acctttttca ataactaaaa tatgtataat gttttctaac tcccgttcta 300
tctttaaaat gtatcctact cgaactagtt ccctgggcat ttattatatg ggtatttaca 360

<210> 34564
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34564

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 tctttgggca tattctatga aagatccgtg cccctttttt gcacatgttc tgtagttgca 180
 tcctatccgg agccatatca naattgtact gacactgcct aatgacggcg accattatgt 240
 cgttccaaga atggaatcac gaacgttcct aagttactat accaggtgac agttgtccca 300
 ataagacttt cttggatgac atgtatcact agtctctcat cttttgcat tgcacacatc 360
 ttttgacaac acatc 375

<210> 34565
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34565

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 ccttgtgagg tgcttggcat ccatcattag ccaatttgtg aaattccagg acatgccgaa 120
 taaccaataa aatattgatg cacaatccgt aagtttccgt gactcaccgg aaataaaatg 180
 gaagcatcgg agcataatta aatgaggttc cgtaacattc cgtaagtcaa aaggggggatg 240
 attatgtaat ccgcaagggt tcgtaacatt acggaaagaa aacaagtatc gtcacgaaat 300
 tctaagtttc cgtaacttta cgagaacaga atcacctcat aacagcagag ggggtgcact 360
 tattaataat gggggtgcaa atagcaccca ggcc 394

<210> 34566
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34566

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 agcgcttaga agctcagcca aagcctcagc caaaaacact gtcgcttgga agctcggata 180
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 accatcaaca atctcttcag caacctctgc aatagctgat aaagccatat aagccaaaaa 300
 cacagtctct tccaagctcg gatacgtga caacaacact gaaactactc aagcaagcca 360
 tcaagagaac acacaacat caacaatctc 390

<210> 34567
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 34567
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 gtgtcgggtca tggatccttg atgaagtgtg ctgaat 396

<210> 34568
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34568
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 aacctcagat ggtctagccc tcatgaacaa caacaacagc ctgctcctta cttccaaaat 180
 gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaaccccag 240
 aaacagccaa tagttgaggc ccttccacaa ccttccctcg aagaacttgt gaggcgaatg 300
 actatgcaga acatgcagct tcagcaagag accatagcct ccattcacag cttaccaaat 360

cagatgggac aattggctac ccaattgaat caacgacagt cccagaattc tgactagctg 420
ccttctcaag ctg 433

<210> 34569
<211> 419
<212> DNA
<213> Glycine max

<400> 34569
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ggatgtcaat atcttcagag acatccatta ccataaagtc taccgggaag ataaaatatt 180
ttactctgac caaaacatct tcaattactc catatgacct ggtaatggag cgggtcaacta 240
attgtaaagt cattcaagtg gggcatttcc aactctccca atcttctgca catggagagt 300
ggcatcaaat tgatactggc tcccagggtca ataagagctt ttcctacatt gacttctcca 360
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<210> 34570
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34570

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tgaaatttat caactaaaat atgctagtaa ataatacatt cttgctttga ttttttagcag 180
agatccacat atgatgaatc tttgaatatt tgcagtgaac taaatgatac tgttattgag 240
gcacaactaa ggacaagaca agttccacct cggcttccaa ccaagactgc aattgaaagt 300
tatcagcagt caactaatcg actgctcatt ntgggtatgct gtctcacaat gaagctcgag 360
acttctctga atacatcttt ctgtttcctt gtcttttact ccttatctga gttctttcta 420
caggatactg cttcatttct 440

<210> 34571
<211> 430

<212> DNA
<213> Glycine max

<400> 34571

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ctattatcaa ttacgaggtg atatgatcga ttactttctt tttaaaagtg tttcagaagt 120
gattaagaac actttaattg attacatcaa gaatctaata gatttcattg ttcttgatag 180
ctttgcagtt tttgggaaga atactttatt caattgaaat gataatataa ttgatcacat 240
tgtatattta attgattaaa gatgggtata actgttttct ctataaatag ccaccttggtg 300
ttctcacttc taataagttc taacaacttt tgaatgagct agaattacga gctgataata 360
atgatacaaa aaaaaagaag aaaaagtgtc tagaaatatt gtgaatcata acttctaata 420
tttgattatg 430

<210> 34572
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34572

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ggatgccccca cattattttcc atgacacaaa tgcaaaaatg atgatttgga aactttacgc 120
aaaactgggtc atgcatgcac ctatgctggac actcaagtgt caaattttta tggatcatgtg 180
atgctagggc tcaggattcg tttctcttat tttaatcaac ccaatgtttc caaaatatgt 240
tcttttatca atttggtgat tcatccgagt ccatttcggg cgtccggnga aatttcacag 300
cattcacctc tcaagtgtag acacattttc caaaaattgc gtatgatcaa tgaatgtttt 360
caaagaaaag ttggaagaga tctctcttaa gagcatgatg gtatttcagc tagacaact 419

<210> 34573
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34573

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 tacttgtccc ttttttcttg gctaggtttg aatctgttct cagcactttg gaagatgagg 180
 ttaatgatgc ccccaaagca ccagagtttc ttggccgcat ttttgccaaa gctataacag 240
 agcatgtagt ctctttgaaa gagattgggc ggtaataaca tgaggggtgga gaggaaccgg 300
 ngagcctctt agaagctgga cttgcagctg atgttcttgg aagcaccttg gaggtataaa 360
 aaatggagaa cgggtgatngc tgtttgagtg agatctgcac ga 402

<210> 34574
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34574

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 caaactgcac accctactca cagcctaag atcactggcg actagaccag ttggggtaga 120
 gagacccttg gtccatgtgg atcctgctac cgggaaagca gatgggtccct aaaaaagaa 180
 gttaagaacc tatttgggga tcgtcgctcg tgataagggtg aatgtcacat acgagaattg 240
 gaagcaagtc cctgctgctt agaaggattt gatatgggag gatattcacg tattttagtt 300
 ntcatgttgc atattgttta ttaacaaaaa attcaaattt agtaacaata aaacgtaatt 360
 cttcgtttgt caggctgaat gtgatatccc tgaagcatct gatg 404

<210> 34575
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 34575

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 gaaaatggat cttttactct gtacctgcaa ggactgctga cccttccacc tgatagttca 120
 ttgaatcaat tgacaaaata tatcataaga tataagtctc aaagttcata aatagagaga 180
 gccacacggt caaaataagc aaactaacca tgactgcaga acaaatatt gaaataaata 240
 atataccact attatgtgta gtggatcttt ccaatttttg tacctaaaac tcgattttct 300

tgtaaccaa ggccaaaaag accacaaaaa cgagacttgt caaccacttg agagcctaac 360
 tgaacttget tagattataa ttttgctctt acgaacttac aatgttataa cctcggtgaa 420
 at 422

<210> 34576
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 34576

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 agcccctacg gcttgggtggg agatactgac taaatccctt ctacaaatgg acttcactac 180
 atgaaagggg catactactc gtcttctatc agacaaccac atcagatcat attcggggcat 240
 actgatgtgg acgacataat gctcggaccg actgcacata tatagtgcac cgaagtctct 300
 catctacgtg c 311

<210> 34577
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34577

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 gaggtgaaaa tctatatatt gtgcagtgcca acacaaatct atttctctat aaaattccag 120
 cattggctgg caaaggtgaa acccaatggg gtagctagtc tagttagggc tagaattaaa 180
 gtctagtggg gaactgacag gttgttcaaa cttagtgggt tgttgtttca attgtgaatt 240
 gggtgtgtta gtggaatatc atatttaagg gtgaggacta gacatagccc aagggttaggg 300
 tgaaccagta taaaaacctt cgtgcattnt tctatatctt tactcttgac tntgttttgc 360
 atagatctga caaaatactt ttgatcaaaa cattannatt gttaaccttt catcttaaca 420
 actaaactg 429

<210> 34578
 <211> 402

<212> DNA
<213> Glycine max

<400> 34578

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cttctcctcc tttgggctca cggttaaagc aagaaaaagg agaggaaatt ggttgttttg 120
tgtctttggg tggctaattgt aagggtgagag cagagagctt ttacttgtgc actaagtaga 180
aatgaacaaa taaagagaga ggtgggtgag ggagtcaggg tcaagtgttg aattggataa 240
ccaagttggt ggggagagat tttgccttgc atgggtcagtc ccctttccct ttgggtgggtg 300
cggttttggc atgatggccc tttgggggtt atactgtgta attatcttac acagtgtaat 360
cttgatttgt gaaatctttg caatagaatt taattttcta ct 402

<210> 34579
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34579

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ttcatctttt tttattctcc tctccctttg ccaaaaagaa ttgcgcaagg actaaccgcc 120
tgaattcttt ttgtgtctct cttctccctt ttccaaaaga acgaaggact aacctcctga 180
attcttttgt gtctcccttc tcccttttca aagaattcaa aatgacacag tctgagaatt 240
cttttgattc ttccctttcc cttaaacaaa agatttcaaa ggactaaccg cctgagatat 300
cttttgtttc ctcttcacan aagttcaaag gactaaccgc ctaagaactn tgtcttaaca 360
cattagaagg tacatacttt gtggtacaag tagaggggtac atctac 406

<210> 34580
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34580

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tataaccatc aagtctaacc aaaagcaagc atgctagtgc tatgcataga gcctgaagat 120

agcatcatat cctcccatcc gggagccgac catgcctcat cccatagtgg ttggaagcac 180
 ttaagtcatg acagtggatg aagggtctct aatccgagct ctaaccgtct accaagccag 240
 cctggatggt gaatttgaca tagatccgca agacgacacc tctgacagag gcctaaaacc 300
 catcaaagag cttgtacagc tgtaactcag acctagaccg gngtagtgca ctcggccttag 360
 tagggacctc actagttatg agcaccagcg catcgccgac atggctatgc aaaatgcata 420
 tttatttt 428

<210> 34581
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 34581

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 atgcagtaac taggaagtga tcctaggtcg tttcccaatg agcaatgaca aaccaaattgt 180
 tcataatata cttgcgcagt aacagtaacg attggggggg gggtttgttt gttttgtgat 240
 taaagagcac aacaagtaaa ctggaatatg aaactactaa tattaaaaaac ggcgtgttac 300
 ctctg 305

<210> 34582
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34582

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 ctcaattagc ttagttgctt cttccggggg cttcaacttt attttttccc ctgcagaagc 120
 atctagtagt tgttggtttt gtggtctcaa cccatctatg aacatattca attggattgg 180
 ctctgaaaac ccatgggtgg gagttcttct caataaacct ctgaacctct ccaatgcttc 240
 actcaaagat tcatcagga actgatgaaa tgaagatatt gcagctttcc cttccacagt 300
 cttggactct ggcaagtatt tctttaggaa ctnttcaaca acctcttccc aggttttttag 360

actgttacct ttagaggagt gaagccacct cttggcctct cctgccaatg agaattgagaa 420
taggcccagag 429

<210> 34583
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34583

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ccagatgaca acaattctct gaccaacttc tctatttctt ccttctggta atgtggatac 120
ttataagggtc tcaaattacg aatttgagcc gcaggtttgg tgataatcac atgatcttgt 180
ctcctcatgt gtggcagccc ttgtggggtc tgaaaaactg acgtgtatgc ctccaacacc 240
tcctgaacat attgtggaat agtgatttgt tcttcagaat gctcaacctg attgcactct 300
aaaataaagc caaggccttg atcttgtaag gcccttgga tgagcttaat agaagccgat 360
gccttgatca ttnttgatc tgccttcagc actgtagtct ctccttgtag cttcagcact 420
gtagtc 426

<210> 34584
<211> 420
<212> DNA
<213> Glycine max

<400> 34584

tgcattgatg aaagtgcata cattaaatcc acatgtttgt ttatacaact gctagtcttc 60
atgttcatgt aaattacaaa aacatttaaa agatttgaat acagctcatg cagcctcttt 120
gcaagctctt tatctgaact ctgaagaatg atcaatggac ataaaaactga ttaatactgt 180
gaactattaa ggagttactg tagcattgctg catgctcagc aaagctatca agtaaaaaga 240
ttgaaaatac aaagacagca ttgtatgtgc ataagaacta taggatttct taatagaaag 300
gtacatcaga taaaatcaga ttaaaggaag gttcttggtt ggcattaccg attgagtcac 360
ccggaggcaa gggttcctaat tattctttgt tgaaagggtga tgaactcttt ggatatttga 420

<210> 34585
<211> 324

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 tcgataagtt acgggactca atcagacatc cgagaaaaaa gttattgtcg tttgcattag 360
 ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcagacat 420
 ccgagttaaa agtta 435

<210> 34588
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34588

ttcagccaat tcacccgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
 aacgagacgc tcgaaattga atgttgaagc tctgaactag ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtata tatggatacg ctcgaaattg aatgttgaat 180
 ctcaaagcca attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
 ataacgagac gctcgaaatt gaatattgaa gctctgaact agttcaaacg acaataactt 300
 tttactcgga tgtctgattg agtcccgtaa tatatcaaga cgctcgaaat tgaatgttga 360
 ccctctgagc atattcaaac gacaataact ttnttctcgg atgtttgatt gagtcccgta 420
 atatatcgag 430

<210> 34589
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 34589

acacaagcag atggagaaca gtcatttttt gcacaacagg gaacattgca gttcaagtat 60
 cccaagcaca tggcaggtac tgattttgat gcaacggcat cttattatca caataaaatg 120
 ctccactatg tcgaaggcctt gggcaactga tgagaccgta gcctaactct cttacggccc 180
 ttggaaacag cgaatgcaga caaactatgg acagcgagat ctaaaactga caccaatgca 240
 tgcatacccg gaacgagggg cgcccgttca acgctctaaa ggaccaggag gatgtaacat 300
 gaatatttgc cacctaaaga aacaagtaag aaacttaacc ccactagaaa gcccggcccg 360

gacatttctca cattg

375

<210> 34590
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34590

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tccccttcga caaacatatt gcagcagtag ggactaccag caactatatg ttatcaaaga 120
gaaaaactct agatgaggggt tcattgttat caagcaagtc agagaccag catgaccaca 180
gattcacctc aactccttat gttcccatgg acccggtat agggccctt ttcaattcac 240
cgtgtgtgca aaaaaggtgt tgggtgtgtg tgcacaaat gaatgcatat ttatcacatg 300
catacattan aacacgctta nagcatcgaa gaagtttata caagaacata taggaaaagg 360
gaaaccgatg atagggaaaa cacaactttt gcacaaaaga ataataggcc taactctcta 420
anaacag 427

<210> 34591
<211> 427
<212> DNA
<213> Glycine max

<400> 34591

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atggcgctc ctctcacctc ttctccttg tcttccactg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atgcaacctc catagaagcc ccacaagcaa 180
gcttccatca agtggtaatc agagcacaag agcttcaagt aggtgctcct taaacctcca 240
ttaatttttt gctttacctt ctcttcatt gttgtttctt cattttttct ccatgtatct 300
cctcacatgt cttgtgataa atgtttttta catgattctt tagagtttcc accgattaaa 360
cttgctatag aagctagatt tgattttcta tggttcaaat ttcttgctt tgttggtgaa 420
ccatgaa 427

<210> 34592
<211> 439

<212> DNA
<213> Glycine max

<400> 34592

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ctcttttagt taaggttcat gattatgaat ttaaaaaattt ctaaacaatg taatgcatct 120
ttcttggtac ataatctgag aaattttaaag acattaaacc ttcaacactc ccgacatcta 180
attgagatcc caaacatata caaggaaaaa aaaaacttgg aaatgttaat ctccaatggt 240
gtgaaagctt gcatcaggtc catccattaa tgatatctct tcccaattct acacatttgg 300
aattaagagg ctgcatacag attgaaaacc ttgatgttaa atcaaaatct cgacttcgtg 360
aaccttttct agacaatcgt ttatctctca agcagttctc agtgaaatcg aaagacatgg 420
caagtttgag ttacatgac 439

<210> 34593
<211> 429
<212> DNA
<213> Glycine max

<400> 34593

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aaaagaaatt ttttttacct aaaattagtc ttgcttttgc ttattttaat tgttgaaatt 120
tgttttactt atgagggtgt tgacaaaatg tttctaataa aatcaagatc ttttttggtt 180
taaattttta gtttcaattt ttgtatatgt ttcttttttt gtaaaaaggct tgactagggt 240
acattttctat gtttcatttg aacatgatct tattaagctt gaaggatccg agaagcttct 300
tcgcaataat ttctttcaga cttcacattg gtttggttca aacatgaaat ttttttacct 360
aaaattagtc ttgcttctgc ttattttaat tgctaaaata tggctctgct atgacgtgtt 420
tgacaaaat 429

<210> 34594
<211> 316
<212> DNA
<213> Glycine max

<400> 34594

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agaccttcaa tctttaatgg agagggttac cactactgga aaacccgaat gccaatTTTT 120
atcgaagcca tagaactaaa tatttgggaa gccatataaa taaggcctta tatacccacc 180
acagtagaaa gagcttcaat agatggtagt tcatccagtg aaagcataac catagaaaaa 240
cctaaagata gatggtctga agaggagtat aaacgagttc catacaacct ctaaagccaa 300
aacataataa catctg 316

<210> 34595
<211> 423
<212> DNA
<213> Glycine max

<400> 34595

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tcctcacgtt tggtttttta gggaaaaaca ccataactaa acgcgcgcga agggatccct 120
atcgaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaggta 240
tgaaacagct catggagaaa aacggggcca ctgccgcgc tgtcagttcg gctgccgaat 300
cagaccgcac tctcttggcg actacgcacc atcctccctc aaacataata cgactgggaa 360
gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gcttactctt 420
atg 423

<210> 34596
<211> 573
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34596

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ncctctagag ncgaccgcga agctatgcag cttcaacatc caagacatca agagaacgcg 180
aacacacaca cgaaccagcg actacgccga caccgcctct gaaagacaag gaaaaggcac 240
tggcagcaaa actaaacaag ctctggactg catgcgccacc gacaccatcc gagcacgaca 300

cctaccagac gcaggccgaa cacaacccag atacgacgcc caaacatacg ctgcataacc 360
 cacaaccccc gcagcgccac cgccggaaca acagaccttc acaagaacaa acgcgaaccc 420
 cgaccaacac ccaacccggc ccgcccattg caccaccccc acgccagca accacaaacc 480
 taacagcccc ccgaggagcg aaccaccaa agcacgccga cgccacacag acacgcagac 540
 acaggacaaa cccctcacga gcacagccca ccc 573

<210> 34597
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34597

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 tttcaagaac tcctacacct gaaattatat cacctagaaa agcaaataga actgaaatag 180
 tgaaatctca taaagcagaa agcaacttcc acagcagcac aaaatgggtca ctgtagaaat 240
 aattgtgacc ataattcaac ttacaaaagg taaaatccaa ttcattattaa tatcatttta 300
 aactcactga aaatatttgg catgaaccaa ctgtcccaaa atatttggcg tgaggggtgcg 360
 ggtgtgtcgc tgccgttcga cgtcactgcc attcctcgtc gctgg 405

<210> 34598
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34598

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 tctttgatat ttggtagctg acattgtgtt gtgggaggta attccgattg gattaactca 180
 ccaccttca cttgccatt tggtatgaca tttgtgttg gatcacctat gatgtcttgt 240
 ttccaagggt aatctatatc ctttctgatg gcataagcat gaaaccaatc aaagaaaacg 300
 acatctatat ttgactctgt cgacaaattc gtataacttg tcttggattc gccttctgtc 360
 tgtacccttg taatgttgga gaaaccatct cct 393

gagttattgg tgaacaatag ctattgggct gaaagagtaa gcacggttgt gctttataat 120
catatcttct aattggttagg gataactgcg taagtgcac ctagcttgtg ttgtgaatcg 180
taaaaatgta tgccctggaa aggacatggt tgatatttta tttttgttgg aagagtcata 240
tagtaaaatt atgattatct agctactcat tttgtgttgt cactgtttta aataattgaa 300
ttgcctttcc attcaatgcc attgttttgc actggttttt attatccatt gctaattatc 360
tgaagattat gacgtgggaa cttgccttga atctgtgcgg ctttgacgag aaacatattg 420
tagcatat 428

<210> 34602
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34602

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caaccatatt atcaatcac tttgaatcat ctatctttta catcatcttt caacatcctt 120
gaatctatct ttcaacatct ctcaatatct tctttcatct ctttcaacac tttcaacaaa 180
actttctaatt tcattttctct tcatctttct aaaagtgttt tatcaaacact ttctctttcca 240
agaaaagttc tttgttaaaa aacttgtgtt attcatcttt ttcatctctt tctccctttg 300
ccaaaagaac aaaggactaa ccgcttgaat tattttgtgt ctctcttctc ccttacaaaa 360
gattcaaagg attaacccgc ttagaattct tttgattctt ccc 403

<210> 34603
<211> 351
<212> DNA
<213> Glycine max

<400> 34603

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ccttatcata agttgaatag ttaagggtag gaccacttaa cttttcacta aaataagcaa 180
ttggatggcc ttcttgcatc aacacagccc caatcccaac atttgaagca tcacactcaa 240
tttcaaaaga tttttgacaa gttggcaacg caagtatggg ggcattagtt agcttttgct 300

taagaacatt gaaagcttct tcttgtttct ctcccatgt gaaaccaaca t 351

<210> 34604
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34604

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 actccactag cttctacatt ctatacttca tattcaccgg aataaaatga gcagatttgg 180
 tgagtcgatc tactatgacc cacacaacat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctcccatt tccattccgg aatttccaat ggcttcaatt 300
 ctctgatgg tcgctgggtgc tcagccttag ccttttgaca tgtcaaacat cttgctacat 360
 attcagctac atctttcttc atgcccatgc caccaaaact tctcttcaaa tcttggtaca 420
 tcttagtcat t 431

<210> 34605
 <211> 327
 <212> DNA
 <213> Glycine max
 <400> 34605

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 cctctcatgc aacttgttta caaactctga cctacattac ccttctttat gtataaaata 180
 agtgtcgagt gggaggggaa tgatgtctac aggcgactag ggattgaacc catagacaac 240
 ctcaacacga gatagcttga tggttctatg aaccccccta tatgaggcga agtgtacatg 300
 acgaagatac tcatcccaag acttatg 327

<210> 34606
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 34606

tatcataatc gattacatag ctctttttga gacaattatt gattcttttag gagtctctac 60
 tttaatcgat tacttctctc ttaaaatgtg cttcagaagt gatcacaact ttttaataaaa 120
 atagaataag gtgtcgtaat ggggtgcaagc tatgtaattg attacatcaa gaatctaate 180
 gattacattg ttcttgaaat ttttccagtt gttgggaaga acactttaat tgattgaaat 240
 gataatataa tcgattactt cttccaaata atcgattaca ttgtatatatt aattgattac 300
 atgcggttat aactgttttc tctataaata gacaccttgt gttctgcctt ttaataacat 360
 ctaacaactt ctgaatgtgt tagaattatg agctaacatt agtaaaac 408

<210> 34607

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34607

ttgcatttta ctttgttgct cgatgtgtca ttattttctc ctattttctta acccttttgg 60
 tcaccatttt aattattgat tagccttaat tgtcaaatta attatgcagc tttatcattt 120
 gggcctactt gactaatttt gtgtttttta ttttaatttca ggagaaatat aagccattgg 180
 gcttggacat gaagagagca gacaatttta ttttattaaa tcttatctta tccagatttt 240
 atttcgtcca gattttattt catccaatct tatcttatct tgtccagatt ntattttatt 300
 ccatttatgg gcttggac 318

<210> 34608

<211> 422

<212> DNA

<213> Glycine max

<400> 34608

gcttctacaa tctccccctt ttgatgatg acatcttctg aaatcaagaa aactcacac 60
 actttttcct agtcgatcac tcacataaat tctccccctt tgtttttgaa tctatgctta 120
 tcttaaaaat aagttgatta ctcatgtgaa ttcttgattt aatcccattt ctctccccct 180
 ttggcatcaa caaaaagcca aagtgcgtat caaacttaag gtatacaaat ataacttaaa 240
 catccataaa atgttcatga aaaaatatca accaaatcat gaagcaagaa gcaagaacca 300

cgaaatccat gaagcaaaca accatgaata gattaattat aaactccaca tgggtcaaata 360
acatacttaa tatttggtcca cacataccat gcaaataagg aaatagtaaa ttgttcacat 420
ac 422

<210> 34609
<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34609

ccaccgcacc gcacgaacgg tagacggacg cgcccgataa cgacacacnc cncannnnna 60
agagcgcnnn ntttgggcct gataccntcg aagcncaanc gancanggca cgcggggaac 120
cnggagagcc gaccagcagg caggcaagct tgcaatgagg ccgcagaagc ngncgcagag 180
gcacgacacg agccggcgga cacgaacgaa acacacccgc agcagacaca agagagagac 240
caggagccga aggccaaacac cgacacaaca cagcagggca accccaaccg aagctgacgc 300
gacaccccg cgcaacacac gacaacgaca gaaggccgga gccagcagca agaccagca 360
accaacgcag cccaacagca caagaaaagc cagccataac aggagccgag cacaggaagg 420
ncgacgatac acacganaca cacaaccgaa gaagcaccga tggcgcccga cacagaaacc 480
gagcgccgaa aacaccgaac gcatgcgccc gaccaacgag caaccagaag acgcccagaa 540
aaactgaaac acaccccgga cgaacaaacn 570

<210> 34610
<211> 342
<212> DNA
<213> Glycine max

<400> 34610

agttttgagc ttaaattctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcataata gaatagaacg gaaatttcca atcaaagaaa agagaaggaa 120
tatttccaat gatagaggaa aaaagagaag aaaggaaatt cccaatcaaa gagtgggaga 180
tagagataga aaagaaagaa tattcccaac caaagaatgg gagaaagtaa aaaggggaagg 240
aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300

aatcgtcacc ttatgagcat aaaggaatga aagggaacca cg

342

<210> 34611
<211> 429
<212> DNA
<213> Glycine max

<400> 34611

tgtagaatgg cccacatga tacatgtcag ggcttgTTTT ggTTtatgga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
ctggttatgc atgcacctat gcggacactc aagtgtcaaa tttttatggT catgtgatgc 180
tagggctcag gattcatttc ctctatttta gtcaacccaa cgtttccaaa atatgttctt 240
ttatcaatTT gtgcattaat ccgaatccat tttgcgcgtc tgggaaaatc ttcacagcat 300
tcaaccttca ggtgtataca cactttttca ataactagtt atgatcagtg aattttttcca 360
aagaaaagtt ggaagtcacT tcttttcaaa agcatgttgg tttttcagct tgacaactta 420
tttgttctt 429

<210> 34612
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34612

agtctttctt gtggccattt cctgcgagga caaacatttt gggaagttag ttttacaaga 60
taagcttttc ttaacacaaa aatgacatgc taatccctcc gatttagaat gaactcatgt 120
acacttttaa tgtaaaatat ttatgcacat gcgtatgtgt agaatatccc actattttatg 180
tcaacgtaca aggacatcca acacattcca actgccatac atatataTTt ttgaaaagaa 240
cacacattct catgctctan gcactgcgtc anaactcaca cctaatacaca tcttanatat 300
tttgctatca caaactacct acacataTTt ganacatata tcatacaggc tntcattgtt 360
tcactcacat ttatttatat gcatattgga gagctaatta cgTcatgcac atacttgcac 420
tc . 422

<210> 34613
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34613

nggattgatt cagtctaact agggatngag gggtagttat ntattctaga gcatagaaca 60
caaaagcatg attgattaga gaaacatctt tatatgcatt agctgggtctg ttagaaagac 120
ccaacatttc tacctactgc tgtcaatttt atttacttgc atttttacta tttttagccc 180
agacttagtt caatcctggt ttaaatcatc aaatatcaat gtttctttcg acaatgcctt 240
atttctgaat ttaaccttgt cttagactag ttccttgagt tcgatactca gattcatccg 300
ttttgatttt aaatacttga tgatccgatg cgctttccg caaaccgaaa ttacatcagt 360
tgttccttag aaattcgcaa caagagtgtg tagccaacca tatagaaaaa ccctaacac 419

<210> 34614
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34614

ccngctacct cgaaaccagt acgttggtgc atatatactg actcctcaag aaacccatat 60
agcaaagcat tgctcacatt aagctgatat agttcccacc catgggaaag agcaagagtg 120
atcacagcac gaattgcgac aggcttgacc acaggacaca atgtctcatg aaagtcaaaa 180
ccatggactc gatgaaagcc cttagctacc aaccttgctt tgaactagtt gatggaacca 240
tcagcatttt cttttactca gaaaaccaac ttacacccaa tggcttgctt attacaaggt 300
acgggaacta agtcccaagt tctgatctca gcaaagcacc atactcttgc tgcattgcac 360
caaccaatcc gaatcttcta cggcctgttt aacattatcg ggtcccgatc gagcagcaat 420
aacn 424

<210> 34615
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34615

gcttgagaca ttcattcata ggggactgag aagagaggggt ttgttcttat tcaaggtcgg 60
atgatgaaga ggcagttcgg ctttgtaaag acagaaagaa gttcatcaga caagctgttg 120
aacatagaac tcaatttgcc acgggacaca tagcatacat agaattctctt aaaaggggtt 180
cagctgcact tgcgaattac attgaaggcg atgagcctcg cgagttctca ttagacacag 240
tcatcacccc acctttcacg cctgtgaaga ggaaaactgg ctgaggattc attcccatat 300
cagcanaacc ctttgctaca acaggagcaa ttgagtttg gatctgacca aactctactt 360
tgaaagtga ttaccttagg cctgggtgga acccagcaat ttcagttgag gaaaggcctc 420
aatccccgga 430

<210> 34616
<211> 379
<212> DNA
<213> Glycine max

<400> 34616
agtttccatt accaacacac gttgattcaa catcagttca atgctcaatg tcctctacaa 60
ccgattcaat tattatcggg acatcttctg ctctttatgt tccattctac atctatatac 120
atggattgcc catgggcttc atgtctcaaa gtgttgcca cagtatcgag aagcatattg 180
ggaaattcct tgagtacgat gtgaaaaata cttcgagtta ttggatgtca tacatgagac 240
ttcatgtatt gctagatgct aagaagtcac tgatgaaacc ctgaaaacta cgaagccatg 300
agaagagctc tctgaagtta tctcaagcat gaaacgcacg ccctttcgta tctttggctc 360
aatgggcaca atgacgata 379

<210> 34617
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34617

tgtcacttat agtngatgct tatgtcatct cttcatttga tatgcaaaca ggtggccttt 60
acttatgaag atggacgcc tgtagaagg atgggtgtag ggagaaagat aatagatagg 120
gtgcaggaga catatcattc tgacttaaat ggtaaggact ttgcatatga tggggagaaa 180
agtctgttta ctgttggtc tcttcctcaa aacaagcttg agtttgaagt tggtcttgag 240

gatgtcacct ctaacacgta gaagtaatta gagagcattt agttgttggt ttggctcttc 300
 aaattgggtt tctactatt gtttcaatag cctatgattt attttttgtc ttctatgaat 360
 aatggcaatt gcagccctga tgggtctatgg gacaatgaga gtgactcaaa gaggatgcga 420
 ccc 423

<210> 34618
 <211> 419
 <212> DNA
 <213> Glycine max
 <400> 34618

agtgtgtatt tgaagttctt gagagggtgt gaaattgggt aggcaatagc aaaagacata 60
 ttcccctgct ttcatttact ggaagatcaa acgtacttca tctctctctt attttgatta 120
 aacattgtaa tctttatttt tttttatgtg actacaatgt acattacatt ctcatgatag 180
 catatgtatg atacgacctc tattagttag ctaacaagtg taatttatta taattatgta 240
 gaattcattt tttttgaagg ttccattgggt tcttattcta aatacctatt cttattttat 300
 aacatatatg gtagtagctg caacatataa attggcattg aatcttacga tatgcttctt 360
 cccctaccaa ttattctttc agttagaaca atcactagta gttatcttct tgatttata 419

<210> 34619
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34619

tatcttacct atttatctcc cagttgtctt tgcatatatt caatagataa aaaacatgaa 60
 gttctaattc aagatgtttt ctttgttgca tgggcataat gcaatcactc tatgtctagc 120
 aatgatttta ttaagatgtc cctacctttg agttctacta aaaattatcc tctctcgagc 180
 gactaatctc taaaactgat gcatataaaa ccttcaatgt atttctacta aggattaccc 240
 tctttcaagc gccaaacccc taaagatgat gcaaggatga agcatataat acatttggtg 300
 gcattttagg cctgccaagc cctaactaaa ggggttttagc ctttcattgt catgagagac 360
 tcttacactt tanggggttg atatggatgg aagaagatgg atggatagag gaag 414

<210> 34620
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34620

aaacaaatga actgacacgt cgancacngn gaactnagaa actccgctgg ccctgctcat 60
 cgggaaaaga nctttttcgag ttttttgaca cccctccag cgctctgctt gcctatgagt 120
 ccatagtgcc ttcccttctc ggaacatgtc tgacaaactt cttgcaaagc cctagccaat 180
 ccttacagat agttgcgcgc atcaaatttg tacgcctaac tctacattat gaattagggtt 240
 ctcataaagc tgaacctatc gttttttaaa acgctataat gaccaacggc tatggtgacc 300
 gacaacattg ctcgattctg ataacgacca aagcaagtcg ctaaccatgc gatgatagt 360
 ccagtgcgcg cctgagccca ccacttcctt ccacctaata tccaatagct acaactcaca 420
 ataatgttgc ccactacagc tctaaaagca attatacaac tgcacttaac ccc 473

<210> 34621
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34621

agcttcgtta ttcagctcta gtgctggacc ttgccgtgac tttttgcttc ctggaccacc 60
 atgatatcaa gtttgagcca agaaagatag ctgctcctga tgtggaacgt ctttcatcaa 120
 tatctgatgc ccaatcaaca tcatagaaag catagagtgc catacgttgt gaaacagaag 180
 cagggcgaag gaataaacca tgacaaatag tacccttgag atatcttaat atccttttga 240
 ccacaacgca atgagaatcc aatgaattag ccatatactg acaaacctta ttaacatcat 300
 acctaattctc acgtctagta tgggtagcat actggagggc acncactact ga 352

<210> 34622
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34622

gaaactaagc tgtatatgaa ctttctcttc attgctacta ttatctttat tagtttcaaa 60
ctatgcttcc aacatagcaa gatcatgac taaaacaccg aggtgaaatt ggatttgctc 120
atttcagtca gagaagttaa gccattaaa attggcacat atgatacata agaattcagt 180
gaattgagaa catgtattac ataataaaat tcacataagt gtttcgagac ataaaataca 240
tgtcacacac ttgattcatt cagataacgg tcaatgtata ttaatgttct cctttgggtg 300
atacaccaac acataacata caaacataat gatgctaata aaaattctta acattatttg 360
gcaattaaat atgcaccaat tagtagtatac tatgtccttt gggcttatac ataaaactaa 420
tgatacacac aaa 433

<210> 34623
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34623

agtcttatga tgatgaatta agttgattca agtagttttg atgatgaaaa agatgatgac 60
aaaaagccca agaaaatgat ttcaagattg agtcaacaag ttcaagatca agattaattt 120
caaatttcat gagaagaaat caagaagatt caagaatcaa gagaagtttg atttcaagat 180
tcaagagaag atgaattcaa gattcaagag aagaaattaa gaagacttca cgctgattag 240
aaaaaaaaga agaagacttc acaaggggaag tattgaaaag atttttcaaa aaacaaacat 300
agcacagttt tgtttttcan aagagttttt ctcanaattt tctaagttac cagagttntt 360
actctctggg aatcgattac cagtttctta taatcgatta ccagtggcaa agtttgatat 420
caaaagc 427

<210> 34624
<211> 423
<212> DNA
<213> Glycine max
<400> 34624

taacaccgat gactatccca acatagctac tgagtatgga atcagaagca tatcaactgt 60
tttgttcttc aaaaatggag aaaagaaaga aagcgtagtt ggtgcagttc ccaagtccac 120
tttgtccgca acagtggaga aatatgttga tgtataaact ggaaaggaag aaaatgctat 180

aacaaggaac gcttgatcat aaattatgga ccatcttggc tttaatgggt ttcaacactt 240
caaaaagtac tttgtatcca catcttttac aacatttggt aaagattaca ttgtataaat 300
tccctcttct cttctctgct gttccttctg ccatacatta cagttcactt cgccaaattc 360
tcatgccaag ttaatttggc accattactc caggtttggg agtaaactga aatttcaatg 420
tct 423

<210> 34625
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34625

agctttgctg caatattaaa atattgttta aaaccaatct tgggccttca tctaaaaatt 60
taagctggta gtgtttggtg aagacacatg actgggttta tatctogaat acttcttact 120
tctcttcttt tccagttttt cttggacttt ttgtatttag tctctctttt ttattcaaag 180
gatttagtat cctctccctg gttagtgggt gttgctccct tttgtcttta atgaaatttc 240
ttcttctata aaaattattht gttttgctta cttctctggca taggtatccc agtcatgacc 300
agagctcana cctgccaccc tttggatcca ctatcagctg ctgaaatata agtagctgta 360
gctacagttc gagctgctgn ngcaaccctt gaggtagatt tcttgattnt ctttcattga 420

<210> 34626
<211> 419
<212> DNA
<213> Glycine max

<400> 34626

tttgttgaac aaagaaattt cttagtgttg aatgcatttt aaatcttatt tcaactttcaa 60
aacttgtaaa cacagttttt cagtttgcta atttaaatta gtggacaatg atcttttcta 120
ttaactagat agtaacatta aaaacaaaat tagtacagca ttaaaaatag catggtgcaa 180
gtaatttatt caaatttgta atatgactgc catttttagtt gagacaacat tatcgtcaac 240
aagataatgt ttgtggcggc taactgacat ctctatatca ttaaactaat gcacctgcaa 300
tgttcatoga atcaaattat atttgccata tcaattcgct tagctactaa atgagccttg 360

<213> Glycine max

<400> 34629

agcttttggtt attttttagca acgggaccct ttttaatttgt ataatttatt gtgtggaaaa 60
agaaaaaacg acaataataa tatattgctt aatgtatttg atccagcttg cttctgttct 120
tcttggcgat ctgtattctg tacagagatg atccatatta tatcatactc tatatatattt 180
tctatgatcc ttgatttaat gtgactgaaa gagaataatt gagtggaaaa gaacaacaaa 240
agcattgaat tttagtcact tttactgaga caacgttatg aaatagctgc catatatggt 300
ctccataatt gtgcttctgt atttttcttc ttcaatcatt atcaccaaatt cattatttgg 360
tatctaggta ctctacaacg gaggaatcag tagatatacg tgatgttcta tcattaggtc 420
tcattacgca tcat 434

<210> 34630

<211> 447

<212> DNA

<213> Glycine max

<400> 34630

tctataatac tcagcttaat aaatgagagg aaaaaaacaa gagttcttgt aatatctgtg 60
aaataatttt tgtagagatt attttcagga gtagaaaagt cactccgttg tttagtaatt 120
ttgaggcatt taattaatct aacgtatcag attttgagtt tcacacacaa caataattcc 180
ttttactttg gatcacttgt tattgttgca cgcgtagctt tctcacagtg tgaagggtgat 240
gaaactgggg tttagtagtc aatcttgttc ttaattgatt gtgtcaaaca ctcaatgtca 300
tttcaatccc ccattctctc ccctagatt tgggcttgcc taaaacaaca ccaactcaaa 360
cctaacacct gttcacgaaa aagatattcc aaattaggga aaggggcaat tgaaaagaga 420
agggctaac ggtaaaatga tcaatga 447

<210> 34631

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34631

agcttgtgct ttataaatca ctctacatt ntatctctag catgcatagt atgttggctc 60

cgctcctttgt cacgggaagc cggaaggtcc atctcacctt ctttaattgta cacatggagc 120
 actgcgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcac gcataagcat ctcttcataa catcataatg gacatatacct 240
 gcatttgtcc ggtcatggca tcatcatgca tatgcgttca aaaaactttt tgggtctgcaa 300
 aattgcatac catttgTTTT catgtttgct catccttgcg tttcctctac aaaacataaa 360
 aacatataat gtggggagcg tgaaacttca cactacattc ttagtttcat gt 412

<210> 34632
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34632

tgaaggtgtg tagcccacca tcttttcata gtagaattct gggttatgtgt ctactatcat 60
 tgtcatcatt ttttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120
 ttgggcgtat ttttttgaaa gatctgtgcc ccttttttgc acatgttttg tagttgcac 180
 ctatccgaag acattatact aacactgcct aacgaaggca accactaggt ccttccaaga 240
 atggactcgg gaaggttcca agttagtgtg ccaggtaaca gctaccctag taagactttc 300
 ttggaaggaa tgtatcaaca attcctcacc ttttgcgtat gcccccatct tccgataata 360
 catctttaga tggttcttgg ggcaagtagt ccccttgtag ttgtcaaagt ccagcacctt 420
 gaactt 426

<210> 34633
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 34633

agcttggaat ctctgtatta ctggcgctt ctgggtcatga gctagcccat caaccgatga 60
 ccatagtttc agaacgatac attcgtccaa accaagaccc tccttctggt 110

<210> 34634
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34634

tgtccctcta ctggcgaaac aattagggc aaggacttat tatgggataa ttgtgagctc 60
aggagcgacg aataaatcct ttcactcctc ctcactactc ccgagctcac atttatttca 120
aaatgagtct aactggatcc tacaaaatca acttataaga tgaggattat cttcacttat 180
atattctact ttgactatat tactatgcga ggtaagatct ccaatgcagc caagaattaa 240
acatcttaaa tgagaagctt gcatagctta cacatgtgta gaagattcga taacatgtga 300
tactataggt ccaaccatta tagttacata gattgtggta ctattcgggtg cttgttacgg 360
tacaggtttg gtacatgtac gcgaccttga caagatatgg tgcgtgggaa tatgcatgtc 420
ggtacgt 427

<210> 34635

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34635

agcttggacg ttgggcgtgt tttgtgggac tttgttggtg agaacttttt tggatttaaa 60
atattgcttg tgaacaattt tatttgcatt ttccttgtagc tttattctca agcaataatt 120
attgcttgta aaagcaaccc aaaattatgt aagggtttga ttcttaaatt taacaaccca 180
aaatttaaga atccaatcat acgacagttg tagaagttgc tctagcattg caattatgac 240
aacaatgaaa ctccccctgac caaactctcg ggagatgctg taattatttt cgattagtta 300
attacttata tgtctaatta atatgattaa tcacttatat aattaanaaa tattcaatat 360
gtgatgttaa ggttatattt atcgagatan tttaattaat ctttagttct tgtatcgatt 420
tacaaagtta tt 432

<210> 34636

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34636

taagaataac atnnttttta atttgggttg attggaataa ttttttatta tatatatatg 60

tgcaatataa aaatagaaaa aaataaaaaa gtataaacta cgtacaaaaa taaatgtacc 120
 acagaaatca tatacttttaa aatgtttaat attcatttat attacatcaa ttttttttaa 180
 aaaactaaca actaaattga ccgaaaatta catcaattaa cataaattgga gtgtgaatgt 240
 gtacaaaatg aattaattgt aattagataa tataaattat tcaaataataa aatgcttcat 300
 ataaattcgt gtatcattat ttttaggttt tcatagttct aagtgttttt actattttaa 360
 attattcatc attttcacct tatttttggt tactaattaa tatgtttata ttatatattt 420
 cactcatcat ttttaattg 439

<210> 34637
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 34637
 agtcttggtt aatatgtaac aattgaatac agttattatc ccaaggtaaa tgaaaagaca 60
 cttattagtc aactatagtt caattatgta acaactaaat atatttatta tccccagat 120
 aaatgaaaag atatcttttt agctcaaaat taaataattc atccaaataa attctaactc 180
 actattgcat ctggatcgta aagggttgaa ttcattgtac tctttaacat tgggtaattt 240
 attatcttta aattatagaa atgagacaat ta 272

<210> 34638
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34638

ntattatata ttcattnttc tttttacagt ttcttttctt tccaacaga tactttctct 60
 ccccaatca agcattatct cttcttcttc ccccaaaaaa gtcattgcac agcccaaact 120
 tcccattttc aacacgaaac tcaaagtga gcaaaatttt gtaacaaatt acttctttca 180
 atttgatatg acaatttagt tcatctaagt tacgagagca tgcataacaa aatttttact 240
 gtcaaataca tccaacaatg tcatgcaatt ttggtcattt tttacaaatt gaaaaaatag 300
 atgttgggat aaatttatct cactttttac aaagagataa aattttatct ttttctaatt 360

<210> 34641
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34641

agctttgcta taattaattt tttggattaa atattgtcat tttttaaggg aacggattaa 60
ataatgtctt aatacttgta aacaggctaa tgtttgtctt tagttcctca aaaataaata 120
atttcctttt gtcccttatt tataaaaaat gtgtcggatg caatcgttat tttttttatg 180
accacatacc tacatttcta taaatcaaag actaaagaaa gacaatctat tttggagtga 240
ttataaaaga acattaccct tgcaagaact attttcatat tttttttttc ctttttagcat 300
ttgcaatatt cttaaacata tgagaatctt ctcttaacca ttaacattnt atgaaattnt 360
attgctctca acattntcat attnttcaag actntacact nttagttntt catatattta 420
aactt 425

<210> 34642
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34642

tcacttgctc aaattcggtc agactctcgt aagcagcttt ttttgagcaa gctcggggcca 60
aagaattcac ccagcaaagt ccaagatata tttccttccc gtctttgtat ctgtggatta 120
acagagccct gtcaatatca aaatagtacc aagtgactgt caagtgtcaa ttgcagagaa 180
gacatcaatg tattaaaatc agtgggtaaa attcaaaaac tattgggggaa gtgcatacgc 240
atactacttc catgatccat gattgtgatg gtttccacat gcacaacagt aaaccatatg 300
atcaagagaa acgcaattnt gcggaaaatt gtgtttataa tggattcaag ttaaacaatca 360
caacaacatc agatggagga atcagtctca gacgagtata ttgggctgat tcatg 415

<210> 34643
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34643

agcttgtaaa atgatgagaa gacagcccac aaaatttcaa acgaaaattc aaagtctaac 60
tatagaagct aaaaatgata agttaagaca aataagagaa taatacttgg aaaataaaaa 120
acttttgaca gaattacaat ttttggaaga aggagacctc agtcggccta cggcgggctg 180
ccacgacatg gaaaattttt ttctaccccg aatacatata gagtaatagt gattctgata 240
accggagcaa aagttatggc cgtttgagc tatgacaaaa atcaaantg ctacattntg 300
ggaactttca aatctgacca aactaagggc tcannactat tttcccacan aatattggatc 360
acaagaagtg actacaaaaa aaaatcagcc aaaaataaca actcttgcta ccaaaacaaa 420
aaatcccaat taattca 437

<210> 34644

<211> 431

<212> DNA

<213> Glycine max

<400> 34644

tatgcaatat acaattgtag gcattggtgt tattttcaga tgcagaaact gctacctccg 60
caaaggatgc tttggatgga agaagcatac ctaggatgaca gttgtattat ttgtctgaca 120
tggtatttag ttcaactgtg atggacatat tggctgtgga tgtggtgcat atcctcagat 180
tggtcaacta tagactgttg taacttgtat attcacactc tcactttggt ttatttatta 240
tgtagtttat atgctgtttt tgaaattgta attatgaatc attgaatgtg taaaatacgg 300
ttagctatat cattccaact ggaccaatca taagaataaaa tgtgttgagt tcaagttttt 360
tctactaatt agtagttatt agcacattca ttggctctgc tgatatggtt atatacctta 420
tgcattatta t 431

<210> 34645

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34645

agtttattta ttttataata agagaacaat gacaattgaa gagttgattc atgtttactt 60
tgatgagtct aatgtttttt ctccaagaaa ggatatttta gatgatattg cagaatcttt 120

agaacaaatg cacattcata gacaagattc taaaggaaaa agagaaggaa gcaatgaaga 180
 tcctccagta gatgtcaaag caaataatga tcttccaaga gaatggaaag cttanggaga 240
 tcatccccctt gacaacatta ttggtgatac ctcanaagggt gtaacaacta gacactctct 300
 caaatatttta tccaataaca tggcttttgt atctacgatac gaacctaana atctanatga 360
 agccataata gatgcaaattg ggataatagc tatgcaagaa gaaactatac caattg 416

<210> 34646
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34646

tttgttgatg cagtttaaga atcccaacga gctcttttga gtcattgaat caagattctt 60
 gttggctatt aaagctgtaa catgcggtct ccactttcta gataaacttt gtaagatttt 120
 atcaatgtga tcataattgt cataatgtct acctagagag taaagctcgt ttaggatgtt 180
 ttggaaacat ccaaacatgg tttggacatc tattccttct tccaaactga agagttcata 240
 cttacgcata agaaggctca accttttatg ttttgtctca caggaccctt cgtaggtaat 300
 ggcaaagggtg tcctacatct gtttggcact tctgtagcca tcaaccttgg aatattcctc 360
 ttgtgataaa gcacacaaca tagcatttct tgctcgtgag ttgagaagaa atctagaatt 420
 atgatcatcc g 431

<210> 34647
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 34647

agttttattta taaacaaacc ctaaacccta atttgtcaaa taccatttaa acctcaatca 60
 gtcaagtaat cctaaacctt tgtctttcaa atacccttaa accataacaa ccaaagtaac 120
 cctaaagtct aatttatcaa ataaccataa accctaatta gttaagtaca cataaaccct 180
 aattagtcaa atacacataa accccaattt gtcaagtaaa cctaattagt taaacaccca 240
 taaaccccaa tttttcatgt atcccatgaa tcctaaattt tcaaataccc ctaaatagtg 300
 attaataaag taactctaaa ttgtctcata atcctaaacc ctaattgggtc aagtaacact 360

aaagcttaaa ttttcacata cccataaacc ctaattaagt caaataaccc taaaccta 420
 tggccaagta acac 434

<210> 34648
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 34648

taaactaaat tttagggcat gttaggccca tgctattgtg caacacttgg gcaacacttg 60
 agaatcccaa tagcaagcta ttgtgttgga ctcttcctt caaaaaagta atttaatatc 120
 atgtgaatca ttgaccaca tatcagatat taatctgata agaacagata ctacactcga 180
 tcttagccaa aaggccgaga aaggcatgag ttgcaatgtc ttgagagggt ctctttatac 240
 cgaaacatca agtcattgtt atcttttcta agcgatgtag gatttcaatc acagttaaac 300
 attggacatt gatataattc atgctcgttg gtgcaacaa ggggtgattt gatgaatgca 360
 ttgaattaaa aagaaatcat gtcgagtggg tgtgagacgg catgttcttg ttctgtgttg 420

<210> 34649
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34649

agtcttgng aggaagaaaa aagtgtgtg acctcattt atagcaagat aaccattcaa 60
 ctctttgata aactatttt gtcccagtag tatgttgta gtgtcagatg tgcttggtg 120
 agttaataa aattctagtc ttcttgattt tctgtttt atgggtattt tagtgagttg 180
 cttatattag atattgaata gtggtttcag ctgggtgtga attcaaaaa tagagctggg 240
 tctccattca gttgaaacca gagtctaccc tgtgaaaaat cttcaagtct catattacta 300
 tgtgttttct attacaaaa tgtattcatg ctcatctgat taagaattca gttataaaaa 360
 tanaaataaa aatcttctt gaagcagtga ttgtataatg 400

<210> 34650
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34650

tgtccctgac accaaaaatt gctacaactt tataattatg attaaaccaa aggtaataat 60
taatagggtta aaatacgttt tcagtcccca actcccggtta cttttactag ttttagtcct 120
caaaacttcaa ctttgatcaa tttggtctcc tgaactttac taacggttaa aaccgtggga 180
caaaaccac tgttttcttc taagagggtac cgaattaatc aaagttaaaa tacggagtct 240
aataccaact tttaccgaaa ataatacagg cactaaaaac atattttaac tcaagtaaca 300
agtaaccata gaatgaacga gacaagatac ttgtgagcgc gggcatcgac gccgcgggtt 360
ttgacggaga atttgtcttt gggggcgatt ntgttcttgg cgcgttggtta ctcggcacgc 420
gg 422

<210> 34651

<211> 416

<212> DNA

<213> Glycine max

<400> 34651

agcttggttcg cacatcgttt gcgtgtatga tatccactcg acaaggtttg aagtagagga 60
gaccttcaat cctataacgc aacgtggcgg acgaaagtgg gcagttaact tgaatggcca 120
ttattgtcaa tgcggaaggt attctgcact tcactatcca tgttcacaca ttattgcagt 180
ttgtgggttac gtgagcatga actactacca atatatagat gttgtttaca cgaatgagaa 240
catcttataa gcatactccg cacagtgggtg gcctcttggg aatgaagcgg caattcctcc 300
ttctgatgag gcatggacac taatccctga cccaactaca attcgtgcga aaggtcggcc 360
aaaatcaaca aggataagga atgggatgga ttgtgtcgaa ccatctgacc accgac 416

<210> 34652

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34652

ntagccttag gttgttccat gttgtgctc cccctatctc taacaataaa ttcaaccatt 60

gctaccaaca acttcgttat agtagccact gccacacaca tacactctta tagcaaagtt 120
aggacattaa aaaaaattga aacccaaaga atgtatcaat attaattcaa actctttcac 180
ttggataact taatcaaaac atttgacatg tgcattatgc agaaagcgat ttacaacaga 240
atacaatgaa gatccaaaaa tctgacttcc tttttgggta cagggaatca tctgtaatta 300
acttgatcc attctgaaat aaggaaagag atgtaatgat aagtaaactn taactactaa 360
taactacatc ataacataga tttcatcagt aagaaanagc caactgatcc ttgaattcca 420
t 421

<210> 34653
<211> 382
<212> DNA
<213> Glycine max

<400> 34653
agcttgtggt tgtgagcact tcttgtccaa tgctaaccat tttcctcttc cctccagaaa 60
cccaccctc taaccagtgg cctccaatg atgttgtcct tgcacttggg taaaccaagc 120
tgagccatca caatttttga atgcagaatt ttctccttcg tggtgaaact atttggcaat 180
ttgagagggg aagtgagcac tagagtttca accaatcaag tggggataga gaacataatc 240
ttgtgtgaca aaacctctgc tcctcttcat tgcatttgag aaggctctgc cattgtatgt 300
tatgctttca tgggaatttcc ctctgataaa aataacaaaa aacatcagac tcattttggc 360
agaaccacaa aaatattaca at 382

<210> 34654
<211> 193
<212> DNA
<213> Glycine max

<400> 34654
tctgagcatg gaaatcacat gatggctcat atctttgctt atggccttaa agcccgtcgc 60
gctggtacag gcactcactt ggataaaaga cttgctatca aaagaccatc acttatttga 120
attctgaagg cttataccaa acttttgggt gctgacgatg tgaacaaata tagcagcgtt 180
gcactttttt act 193

<210> 34655

<211> 366
 <212> DNA
 <213> Glycine max

<400> 34655

agctttgaat gttctatcta catatgatgt aacttgaaat caaggaatat tatttatattt 60
 tattaacttt tctattcaat ctcatgttgg agatacaact attgtcaacg gtggagaaca 120
 tctatttagt agtacattgt tctgggattt gtcaacatca gcccttacga gttagaactg 180
 acttatgcaa ctaaaatcag aatacttttg ttgaactcat taattatata tataatgaag 240
 gccttatggc atttggggta ttacatgac tgggtattgg ctatttattg cttgggtggc 300
 cgatcttata aatgataggt agaagtctca tcttcgtgtg cccaaattgt gtatgtggca 360
 ttctca 366

<210> 34656
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34656

nttagtatgt ttaagattnt atttcaagac aattgataat gctatatctg aaaataataa 60
 atcacttttg ttaattaaca tgaaaaatgt atcgatatgg tcaaagtga aaattacatt 120
 tttaaagatg cgtttttcac tttaaaacga ttgaaccctt tctttctttc tttctttttt 180
 gttaaagatg acagattcaa cggccgaaac aatagacata aactttaaaa caattatata 240
 attatgattg ttttggatat atcaagctca aacaatttgt agtggctttt cttttataga 300
 agacccttcc aaaagagaaa caaaggatct acatatgtca aagttaagtt ggagaagaag 360
 tttactttcc caaattgggg gtaaagattt agtatatgtg accgacacta tg 412

<210> 34657
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34657

agcttgtagc catcagaaga gaatgagcat gtgattagaa gtatgactga naatgttagt 60

tagtttgtca gattgattgt gaaggaatgc attaacgta tcccggtag agtgtgatcc 120
 ttanattntg agaganacga ctatcattta gtactgattn ttgctgaat ctttcaagta 180
 tggactagat gcatganatt gaggatgatg aaggccatgt ttgattgtga tagccactta 240
 gccaaaaagc tgaccatgtg cttgaatgaa ttatcccttg taccaggtt gaggatgatg 300
 aattattgat ttgatgaacc ctgagcctat atagtgttat etc 343

<210> 34658
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 34658

tcttagtttc agatgatgca catgagtttg tagctacctc atgcactcct ctaatgacta 60
 tagcatcatt tttggcgcta aactgttggg agttggaagc catcttctca attaaattcc 120
 tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatgtt attgagtcct tcataaaaaat attggagaag aagctgctca caaatctggg 240
 ggtgaaggca actggtgcat aattttttta atctctccca atattcatat aggctttctc 300
 cactgagttg cctaattgcct aaaatatact ttctgatggc cgtggctcta gaagcacgga 360
 aaagtttttc taagaatact ctcttgaggc atcccagctc gtgatgga 408

<210> 34659
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34659

agcttcaaca tcagaccact tccagggtagc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgat gatgatttct 120
 ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcactcactc 300
 atgagttctc tgcagccatt acaccacaac aaaatggcat agttganagg aaaaatagga 360
 ctttgcanga agctgctang gtcattgctc atgccanaga acttccttat aatctctggg 420

ctgaagccat gaacacagca t

441

<210> 34660
<211> 430
<212> DNA
<213> Glycine max

<400> 34660

tgtaatcgat tacacatata ctgtaatcga ttaccagagc agattttcag aaaatattct 60
caacagtcac atcttttatg tggttcttga atggctatca aaggcctata tatatgtgac 120
ttaagacacg aatttgctaa gagtttttca gaacaaaag gtcttatcct cttaaaaagc 180
aaatcgtttt atcctcttac aaattccttg gccaaattac ttgtgattca ataaggaatt 240
atttgagtac tcaaattggt caatctatct ctttcaagag agatttcttc ttctcttctt 300
cttcattctg aaaagggatt aagagaccga gggctctctg ttgtgaaaga attctaaaca 360
caaaggaagg gttgtccttg tgtgtttaga acttgtaaaa ggaatttaca agatagtgga 420
actctcaagc 430

<210> 34661
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34661

agcttgtggt gtgtgatggt tccttcaagg agattttctg ctttgatagt cttaatgtgg 60
atgaggctgg actcctgtta cagctcanag tcttatgctt ggactccctt ccagagcttg 120
tttccattgg gttagagaac tcttggattc agcccttact gggaaatcta gaaaccttgg 180
aagtaatagg ttgttctagt ttaaaagact tgttcacatc ctcaacagca agaagtttga 240
ctcgactcan aagaatggag ataaaaaggt gtgattcaat tgaagagata gtctctaagg 300
agggggatga atcacatgag aatgaaataa tatttccgca actcaattgt ttgaaacttg 360
aatatttacg aaagctgaga agcttctata aaggaagttt attaagtttc ccatcattgg 420
a 421

<210> 34662

<211> 377
<212> DNA
<213> Glycine max

<400> 34662

atactcaagc tgctgagctc tgataattct ttaagtttca aacaattgag atgctgaaat 60
attatctcat tctcgtgatt catccccttc cttagacact atctcttcaa tttaatcaca 120
ccaacttata tcaattgttt tgagttgacc caaacttttg ggtgttgagg atgtgaacaa 180
atatagcagt gttgcaattt tttacttcca aaaatgtcaa attcgagaag ggcactgtgc 240
atggttccaa attaggcaac actccgcttt tatgaaaatt cgcagcatta ttcttcgaat 300
aatacaccac aacctattca taaatgctct cattctattt catccccttg gttaaagatg 360
atggaacaca agactta 377

<210> 34663
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34663

agcttgagct catgagtggt aagttgaggt ctaagtggat tggctcctttt gttgttacta 60
atgtttttcc ttatggtaca gttgagatca aaagtgactc cacaacaag agtttcaagg 120
tcaatggaca ccaacttaag ccattcctca caaaccttc tttagtggac gtagtggtgg 180
aagagacttc cttactccac cctactattc ctccaccatg acttanggag tttttctttg 240
cctatctcct tctttacttt tattacantt tgccgattct atttgatngg ttaattgctt 300
ttaatctttt aattacgcta cattg 325

<210> 34664
<211> 405
<212> DNA
<213> Glycine max

<400> 34664

tgtaggcctt ggatcttctt catcaatgga gtcctttgct tcttgaagat caatggcagc 60
agaatggaga aggaggaaag ctgattggag acgccacttc aaggagaaga tgagtcaaga 120
acaagctcac aaccatagga agccatggat aagagcttta aggtagaaga tgagtggagg 180

gagaaggaga gaaggaacac aaaattttat gtcccaaag aggtcagaac tttgaagtgt 240
aattcccaaa tgatcaaagt tgaaaaacta cacacataag acctctattt atagcttaag 300
tgtcacacaa aattggaggg aaatttgaat tctattcaaa tttcacttga atttgaattt 360
gaatttgtgg agccaaattt ggagccaaaa tttcactaat tatga 405

<210> 34665
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34665

agcttaattc tattctctnt ntttttttta attntgacat ctacgaaatt gtgatgtcaa 60
aatatttgta aatggaaaat cacttatcac aaatgtatga ggactaaaaa tatatacaat 120
tccatgtaat attttaaaaa atattaatat aaatattgta cgtatacagc tcaatgactc 180
gactaataca acctgaattt atttgaatta acaacaaatt tatttgactc aactaataca 240
acctcaattt caaaagacca atctaaactc actccgcagc aaaacaaata acatgattcc 300
cacgcatatg tgatagcgct tgtgttctca ccaatccacc aaatgtgctc ccaccacgctc 360
acttctctggc atgtaataga aatcatgaaa atgtttaana tcattccgtg taaaataata 420
aaa 423

<210> 34666
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34666

tattattgtt tggagttaa aacctgaaac tcatgagagg tagtaagaga agaggaagca 60
tgcgatgac atgatgatgg gccttaccgt gggccttgga ctcatcgtgg gccccaccaa 120
cggagtacct cgcgtaacac ttcccagaaa acatgtcacc gtaatccgct gtgccgcaat 180
cgctcttcag gcgcgagatc gcctccgcca cgcagtcttg gcactccccg tagctcaagt 240
cgccggtgca ctgcgccacg ccgtgtaccc caccggaccc accgacgcga aagttccac 300
cggcggcggc gagtccggcg agcacggcgt cgcgggtccc catggcgctcg gngttgtacc 360

cgaccgacgg cccgcacttc ttcagcacca ccgtc

395

<210> 34667
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34667

tctctngact ttttaataaat tntcttttagt agatcttagt tatttttttta aacggtggct 60
tcagtttttt atacattttt ttctttttat ccttaaacat ttatcaaatt ttctgattat 120
tttaaaaata aattatgatt ctttctgtta ttttatattt ttttaataatt tccacaacta 180
ataatttaat aaaaaattac attttcaatt tccagcttaa ctttctcact tctagctaatt 240
tttataaaaa aaataacaag aatgaaactg aggacaatga aaaagtcccg tgtaaccaat 300
caatttgaat aattaattaa agaattgaat taatagaaaa ttgaagaatt taaataactg 360
tattcattta caagctacaa cagtaaaaaa gaatgaacac cattttttgcg aatgactcac 420
ttttct 426

<210> 34668
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34668

gggacagaat ctcccatgct actatgaata tctccacctt attaagcaac acctgccact 60
tgagcaaaat tggtcctagt gtaaaacacc taacattaga actttggggtc taccaatatt 120
tattattaat tttttaaaagt aaaaaatatt acacatgtta attaaaagac cttacatatt 180
attattctct ttaaagtaaa aaaatatatt ttaattttta ttctacgtgt cattttctat 240
tgcaccgaca cttcacctga gagtacagat ttcactacga gaatagctcc aagtatttgc 300
attgtagcat cactaacaac atcgtgtcca tttgggtgcag cacacaagta ttcacaacta 360
ttcttcatgt ccggaattag tgatctgatc aanatactaa tcaa 404

<210> 34669
<211> 273

<212> DNA
<213> Glycine max

<400> 34669

agctctatct ttaatcaacc acacatggcc cgagccataa tcgacgacaa aaaatgaatc 60
acaagccaat gaagccaccc ttctggacac acacgcctga ttcattgagca tatcacacat 120
tcacacgatt caacgaagag tgagagtgtg agtcagaggt tctacctatc ttattaccat 180
tgataagaga gccttgctcc acttatacat tgattgtctg cctacaaata cactctccat 240
gctctgaatg gatgcacatg ttttaataatc tta 273

<210> 34670
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34670

tcctttgacc ccttagaanc gctatagatt ccgtgacact atagaatgct ctagctcgta 60
cgcgcggtat cttcgacaca aaggattact ccgtttcctg cagataaaaag ggctctgagc 120
atgtcgacct atgaaagtct attaactaaa cgtccgtgtg gaaaagaatg agcgggaacc 180
atctctcgag agcttccgac gattagattg caaccttttc gtctaataag acgctcgagc 240
ctaagatgcc aattgaaccc tttttacaac ttgaacttct cctaacttct gatgtttatt 300
ttctaaaccc tcaacatatt atacgccgc catctatacc cggattgtgc ctttagtgcg 360
acacactaat tgctgtgaaa ttgaagtcca atggcgatcat tcttgactcc tacattgggc 420
catgagacca ctctctgact tgacttccct tattattata gggattttat aatggtcagc 480
ccg 483

<210> 34671
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34671

agcttgtgca aatcaaata ctcctacatt tcattcttag catgcatctt ctttctttac 60
ccactcctca cgtttggttt tttagggaaa aacaccataa ctaaacgcgc cgcaagggat 120

ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgccg ccgctgccag ttcggctgcc 300
gaagcagacc cgactctctt ggcaactacg caccatcctc cctcanacat aataggacgg 360
ngaagggaca cactggggca cgatggcagc cctcacctgg gatacaa 407

<210> 34672
<211> 416
<212> DNA
<213> Glycine max

<400> 34672

tcagcttgag ggtagtgttg aaaatcagaa ttaatatctt gattctatta ataattgtaa 60
tttatagga cattatattt gatttagagg aaacaaaata tcctctattt atgtaccact 120
aatgtaatta tcctatataa acaagcattt gttgtgtact ctgatacacg gttttcactc 180
tagtatccct ctttattttc tctcatttta cagatatgat ttgatcacga taaataggga 240
aatttctcag ctgataatta aggattatac acattattag tggttatgat tccttatatt 300
gtactcttga ttcattataa atcagaataa catgtgcaac acaactacat aattacagta 360
aataacattg ttatattgag taatattctg agtgctgacc acaactacat aagtgc 416

<210> 34673
<211> 149
<212> DNA
<213> Glycine max

<400> 34673

agcttccatc atagtggaat cagagcacia gaacttcaag tagtgcttc ttaaaccctc 60
attaaatttt tttctttaac ctctcttoca ttggtggttc ctcatctttc ttcattggatc 120
tcctcacatg gcctgggtcta aatgggtggt 149

<210> 34674
<211> 362
<212> DNA
<213> Glycine max

<400> 34674

tgaatcggac ctcagtgtga aaagttatga ccatttgaat ttctcgagag ctttcgttgt 60
tcaatgtcga gcatctcgac atattatgcg ctggaatcag acatccgtgt gaaaagttat 120
gaccatttga atttctcgag agcttccgat gtttaatttc gagcctctcg acatattatg 180
cgcccgaatc ggacatccgt gtgaaaagtt atgaacattt gaatttctcg agagcttccg 240
atgttgaatt tcgagcctct cgacatatta tgcgcccga tgggacatcc gtgtgaaaag 300
ttatgaccat ttgaatttct cgagagcttc cgatgtttaa tttcgagcga ctcgatatat 360
ta 362

<210> 34675
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34675

agcttgtggt tatgaaattt acgatcctcc cactcttcgg tctcttctt cagctcgatc 60
caaggacaag gtttttctct tcttttttaa attttgttct ctctttgttt cttgcttctc 120
aaaagaatat ttaaaaagga gacttgctat tttgtttctt tgttttaagt ttcacattat 180
ggtgataatt tttttatctt ctgaaacctt cattcagggt gtgggttttga ggggtgtcatt 240
gcactgcaag gcctgcgaag ganaagttag aaagcatatt tcaaaaatgg aagggtgagtc 300
tgcttaatca atacatagtc ttggagtctc aaaatgagag tctggatata attagataaa 360
cattggcagt aataatacta attctcatgt tcttgagcat tntttntaat ctttntct 418

<210> 34676
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34676

acactactag aaactctagc gtactctggc actcaagact tgtatagatc tctctctctc 60
tcttcacctt atattgggtt ttttacagaa aatatgaaag aataatgctc tgtgggttaat 120
ctctacaatt ttctacaaaa ctactatttg tctttattta caagttgtaa gatttaactt 180
tgtactgctc tcagtttagct ccgccactcc ttgtaccaa gttaattgggt ttttaatagt 240

tgattgcctg catgcata

438

<210> 34679
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34679

agctctanaa tttgaattat aacgttcaaa aactgctggt aatcgattac catatatgtg 60
taatcgatta cacagtgcac attttgaatt caaattttta tagctgttgt aaatcagttt 120
tggtccattgg taatcgatta catcctctgg taatcgatta ccagagagta aatctcttga 180
aaaagacttt ntttaactta natttcttgg ccaaaccttt tgctacttca attggaattc 240
ccttcctatt taatgtaatc ttcctaagac tctagatact ggcttgatca tccatcttga 300
atatctttga tttctttgtc ttgaataana ctttgagaaa catgtaatcc tttggcatca 360
tcanaacatt aagcttgtca ccaacaaaag tctgaagacc catcgaactt gtcaaaagct 420
ttc 423

<210> 34680
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34680

tccgaagaaa gtgatgaagt acaagcccta naggcagagc ttgaaagagc ctgngtagtc 60
gaagagaagt tcaagtccat agccatcaaa gtctgaaaaa agtatgatga actaagggat 120
gtcaatatgg ccaccgatga agccttggaa tgagaaacca agaaggcccg aaaggaagaa 180
cacgacaaa gcaaagtttt gaggggcttt atagggcagc aatagtgagc tcaagctccg 240
aagaggtgaa aggaatcatc acgggtcaaa ggcattgatct tgaaggacga gctaaagggt 300
tgccttatgt cgaaaagaaa tttgttccaa cagttaagcg agactgaagg gaatatgtgg 360
gccatcatcg ataagtgcaa agagaagcta aatctagcgg cgactcacga gcaaaggcta 420
gaggatgagt a 431

<210> 34681
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 34681

cactcgaccc gggatcctta agcacctgca gctgcagctt gctctatagt gcctggacgt 60
 ttgtatgttg gaagctgtaa tcagcgaggg atggaaaata aaagtgtaaa taaattctaa 120
 gtatgacaat agattacctt ataatgcaa caattttgtc tcaagtgact caaatcacta 180
 aatggacata gttagtggac atccaaaagt ccatacttat tactaagaaa caaattgtta 240
 tgatactttt ttactatcg gattatgaaa atttcaagat tctaaagttc aatatgtcat 300
 ataactcaca actaacataa ggatgtcttc cgtcttccct attactatat tagtagtacc 360
 ttatgatgat tgtagcaagg tgaagctgat ggaagtcgat ctacatcttt gccttcaatt 420
 ggttgcaaaa gaggaacatc acatgcaacc tgtgtaacaa atagacat 468

<210> 34682
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34682

tgcgcctact aggattggtc tagtatagtg gtggaagaat ttggatgggt agcacaattt 60
 tttaagttca aattaatctt gttgctgtta ttatatacta aaataattat tctaaccatg 120
 cttgcattgg ttcaaaactc aaaggcattg tttgcgttaa agaaaaaaaa atacattgct 180
 ttgtggtata atataatcaa ctatatattg ctgccatggt tgaatcagcc ttgatttcaa 240
 ttaatctttc ggctgacaaa gcaaaacgct tatactgcat gccaaatatt ttaatttgc 300
 gtttatgcc aatgtacttaa ttgcgtattg tgataatagn ttgttttctt gtgtcaatat 360
 ttaatcagta tcattctaaa aagttataaa aaaatcgatt aatataacga ataaggagaa 420
 attacttaat tat 433

<210> 34683
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34683

ttgcttagtg tacttattgg tgagagaagc ttggctgttg gatagatgag cgattgcgtc 60
ctccagtcta tccgtcgtag tctttttggt tgcattggtca accatggcga tggtgacggc 120
agcatgttgg actagtgtta gcaacgagga agagaagatg attgccttag ttcaaggcaa 180
ggcacctcct gcgaatgggt tgatcgaaac aagtattttg catgctttta ttcattgtta 240
tgcagtatct tatatactgc gagttattac attcataaca acccttaacc gatttaacta 300
actctagcag agtaactaac ttctaatagc ctcaactaac tacacgtgct attanttaac 360
tacctacagg tgctctttgg ctacatcgtg cgtgcactat tagaaaatat attntntaca 420
ttggttat 428

<210> 34684
<211> 380
<212> DNA
<213> Glycine max

<400> 34684

cgattgggga tagctcttga tgaccagcct tgcagcaatt cagattgtct atatcttcat 60
gagattggct ctcaagagga tagtttcaca aaatatgaaa taatttcagc atacactatg 120
tatttttcta atcttaaag agctttcatg caaagcctgt tatgattctg ttgaaagata 180
gaaactgttg aatgtttctt gtcctggctg catgctagtc ctggatgcaa agctgaggct 240
aaaatattac tttcatgcaa ttggcaaact ttttttttcc tatagttagt taaaggctgc 300
atgtattttt taaattgatt cacatgggtt ttgttggcag ttgatacatg attggaccat 360
tcattttccc tctattctat 380

<210> 34685
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34685

agcttccatc acccgtggta gtcctcattt gtttcgtgta cttttattct cgtttcattt 60
actttccgta ccccttttgg acgtgcttca atcatttact taagtcattt tctcgccata 120

gggtttaagt caagcctagg ataaagcttg caagtgtatg taagagctag aagtaacaat 300
 gaacaatact tgtaactttg ataagttagt aaaaacttgg tggttgctaa gaattggatg 360
 caatcttgag gttgagacaa actaatataa atcatttgtg tgctatctta cttaattgac 420

<210> 34691
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34691

agcttctata taagctgaac cttntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct tgcaggaaag 180
 agtgattggt tccttccttt catcttcacc ctgtttattt gaaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataactcctg ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaaa caagaccttt ttcacctcgt ttagaatcac 360
 ctcatcttga gccctgtagc ttcagttatt gccatttcta tattttct 407

<210> 34692
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34692

ntacaacaga ttntagtaat gaccactaa cctagaatta aaataactta atgccattaa 60
 ccttggaat taaaaaaaaa acttaatggc tgagtgtaac taaaattgtg gcaacaaaaa 120
 gtcacccccca acagccaaca agtcagccac catttggctt cccaaaaggc tgatgcctag 180
 gttgccaatt gggcccttat tacaacttga actaaacctt ctaaaaagcc cttttagttg 240
 attaaccacaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctaaaatt gagacaaagt ggtgtcattt agtccttctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tgggcttgta ttcaaatagt 420
 atggacaaca ctg 434

<210> 34693
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34693

agcttagctg tagcatttag taaaaaaaaaaa aaaagttggg gacagtgtgt ttcttttatac 60
 tgtcaacttt ctcccgtttt ctcaattaaa atgggtttta tgatgaccca cgttatggaa 120
 acaaattatt gttctcacat aaattttgta tccattcgct taatcaacaa catcatcgct 180
 aaagagctta nattggtggg catcaagaac caatttcctt atagaagaga atgcgccccat 240
 tattccaaca cccgtgaaga ccaccataat tgaggtgtta atccaataag tgaaggatga 300
 ttttggaggc ttgtatgtca tgttgtacat aagcataggc agaacgaaat ccanagggat 360
 gaaaccaatg gcaccaacca caccgttgat gtctccaaaa aatggcagca tagctgccac 420
 a 421

<210> 34694
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 34694

tatattacat actatcatgt caatgttaaa caaggcattt actggtgctt tgaaagagca 60
 gatcaccata tttaaagttg tatcaattgg tatttagaaa aattactgat aaaagagtta 120
 ccaaagttgc aacaccatga ccagccagtg ctccagctat gactccaagg ggagaagaag 180
 ctgctgcaat ggctgaatag tatggaaaaa acagttcatg ataaagggtg tgagttcagt 240
 gcatgacaag aagcaagata gcatgtcttg gtatttgaaa caaatgaaaa gtcaacaaga 300
 aaattatata aactgaaact gtattgatcc aaatcaattg gcactcaact cttttaacgc 360
 caagcatata aattagcttc aag 383

<210> 34695
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34695

agcttacaac attggccaat taagaatccc atataagaca gatctggcaa caacgtagtg 60
gggttgggtt tggagggctc cacttggtatt aaatttcgtc ttgatctttt ccatccatac 120
ttcatgactc ttcatccac atgtttgaat gctcatgaca aattaagatt ggtggataac 180
caacaaaaca cccttggtat tatcaccaat tcatcatcac catcggtcac acaaaacttg 240
tgtttagtga gatcaatttg tagcacagct cattggcccc ctattagctt aaattttgta 300
tagaaacaaa gaaataattn tcaaacaata aaacaacttt tgtcttcttt cattttttta 360
gaatatntc aaatgtgcca aatagttttt tttaaaagga taagatgagt aaaaagt 417

<210> 34696
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34696

tgtagaatgg ctagacatga tacatgtcag ggcttggttt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
ttggttatgc atagcannta tgcggacact caagtgtcaa atttttatgg tcatgtgatg 180
ctaggggtca ggattcattt cctctatttt agtcaacca acgtttccaa aatatgttct 240
tttatcaatt tgtgcattca tccgagtcca ttttgggctt ctgggaaaat cttcacagca 300
ttcaccttc aggtgtatac acatnnnnn cgcggctagt tgtgagcagt gaaggggtgn 360
nagaaaagtt ggaagtcac tcttttcaaa agcatgttgg cttttcagct tgacaactt 419

<210> 34697
<211> 437
<212> DNA
<213> Glycine max

<400> 34697

agcttccttt ctcccttctt ctgacctcc attatcacia ccaatgtcac tcaccatatg 60
aagcttccat ggttatcttc catggttgct actcaccata cgaagtttcc atggctgcct 120
accaccaca ctactctcg aacctccac taccctccac aacaatcacc acaccatctg 180

gaatttttctg cgcacaccaa ggaccgcttc gagggccgtcc tggctaaact tgatgttgct 240
 acacgccacc aggacacccg actggacgct cttctcctat gactacctcg gcaacccgac 300
 cacctctacc ctctcagtc tccatgcttc gtgcccatag caccaagtct cgcaccatta 360
 ctgcctctgc cgcggacttc gccactgact ccaccgctgt ctccgccgtt cgagctgact 420
 ccatcaccca tgcttat 437

<210> 34698
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34698

tattctgagc atgattcctc ctaatttcca tgcccaaaat ctttttagtt gctcccatat 60
 ctttcatctc aaattcacta ttaaaaagtg acttcagttt ccgaatttca aacttgtgtc 120
 aagatactat gggcatgtcg tccacataga gaagtagata aatgtatgca ccatccttca 180
 ccttactatg ataaacacat gaatcatatg gacttttatt gtacccatga gagataatta 240
 actaatcgaa tctcttgtac cattgtcttg gagattgctt caatccataa agagaccttt 300
 acaacctaca aataaaatct tcctttcctt gcacttcaaa accttttggt tgtttcataa 360
 aaattttcttc ctcccactat tccatggaga aaangttggt tcacatcaa 409

<210> 34699
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34699

agctntaaat gtgcttcctc ttgggtcattg gcaagaatcg cgttcatatc acattgaaat 60
 gaggagtgaag gaattcctaa cagagttgag ggatcaaaag tatttgaagt agtcttcgag 120
 ggatatcaag aatatctgag ttgccaccct ctattgctca acttgagaac ctacaaattc 180
 ttgatcttgg aaacatttca taatgatatt ttatcaatga acattctcac acatatgatt 240
 ctatctcaac attacttgtt ggagagaatc ccacacggga ttgagaagct cattaatcta 300
 ttcaaccccc acccctcttc tatattccca gttattacaa cactntcaaa tgctntangt 360

acttgagaca caatcaccat acccaactca tccata

396

<210> 34700
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34700

tcgcgcgaatc acanaactcc tacatggcat ctctagcatg cattttcttt ctttaccac 60
ccctcacgtt ggggttttta gggaaaaaca ccataactaa acgcgccgca agggatccct 120
atcgccaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaagta 240
tgaagcagct catacagaag aacgcggcca ccgccgcgc tgtcagttcg gctgtcgaag 300
cagactcgac tctcttgga actacgcacc atcctccctc aaacatagta ggacggggaa 360
gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gctta 415

<210> 34701
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34701

agctnttact gtccttgtgt taaatgtttg aatgagagag aactagaagt tgagaatata 60
tgagcccatc ttttttgtga tggtttttgc aagagttata caacatgaac atggcatcgt 120
gaatattttg acaaggaaag tgtgtcccaa acaaaggaag ttgatgtaga tatggatgat 180
catctagaga atatgattcg tgatattgga tcaaagtctt ttcagcaagc acatgtgtat 240
gatactttga aaagtgatgt ggaaatccct ttgtatctag ggtgcactag tttcacaagg 300
ttatcaacaa tgttgaaatt ggttaatctt aagacgaana atgagtggat taataaaagc 360
ttcactgaat tacttaagtt actggaaaaa tgcttctgaa aaataacaca ttgccaagct 420
atcactgtga ggaaaaa 437

<210> 34702
<211> 439
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34702

tgtcccaagg attcatatcc ttttaacccca acatagatag gcttgtggat ggagtttttg 60
aatgcagttt gataccataa ggaatcataa cctccaatta aacttagaaa aatgattttt 120
caaagtacat gccgagaagt tcttaggttt tatgttgaca aagaggggaa ttgagggtaa 180
cccaaataaa tgcaaggcca tcatgaaaat gagaattcca agaacggcca aagaagttaa 240
caactcatag ggaagatcat gtccctgtct tggttcttat caaaatcgac agagaaggaa 300
ctccctctgc ttaagtattc tcggaagaac aagcatttcc aatgggtgct agattgtgag 360
aatgccttca aacaattcaa ggaattcctc acaacactac ccattntaac aaggccgaaa 420
tcgaaaggct ctataacttg 439

<210> 34703

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34703

agcttatagt cactacttgt taagaacccat aagccagagt cgattgttcc ttgataaag 60
tgaagaattt gttttgcagc cttgaaatga gtagtggtta gaggctcgat gtattggctg 120
atgagtactc cagtagcata tataatgttt ggtcttgtgt gtcaaataac ataaactacc 180
caccaaactc ttgaaatcta tagcatccag ttttcttgct tcgtcgaact ttgataactt 240
cattntgcac tccatcagtg ttccaattgg cttgcatcta tccatcttga atntattaag 300
catcttcttt gcgtagcttt gcagtgaat gaagatttca tcttctttct gctntacctc 360
aatggcaaga tagtatgaca tttttccgat atcggtcatc tcanacttct tcatcatttc 420
tttcttanac tctgataatt gt 442

<210> 34704

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34704

tgtaagagct tggtcacttc cttntcacc acatctagaa tgacgngtt gagtcgtcgc 60
 tgtggctacc tcaactggctt agctgcatcc tctaaaagta tcctatgcat gcaggtagat 120
 gggctaatac caggaatgtc tgctaaagtc catccaatgg ccttcttggtg cttcttgagc 180
 accggcaaca acttctcctc ttgctcaaca tcaagggaag cagagatgat cactggaaat 240
 ttgatgcaat cctaccccg c aagggcattg gatagaagac tccaagtaga ttggggccaga 300
 gatccaaggg aaggccctag ggttctcatg agccttaagg tagattntga gcccatgggc 360
 taagtatgag cccgcttacc tttgtaatta ttagaat 397

<210> 34705
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34705

agctnttctt tatagngtat gtttcttggt ttatttattg gtattggata tgagtttatt 60
 gttgcatatg gaactgatct tctgctgtta tcagattaag tctaaggata gataataagg 120
 catcttctca agaaataaca aaataaattt ctacaaacta agattgagtc atttaacaag 180
 gcttgtcaat ctccacgtgt aacatagaaa aactccaaa cagtccttga gcagaacacc 240
 acatactagc caagaaagta atcctgtccc aaatggttg ttgagatcac aaaatgcctt 300
 tgaaaattct agcattcctt tgtagctata gacactagag agccaccana acaagcactg 360
 ccacagaagt ttagcttctt tacaaaaagc cagatcctct anattgact 409

<210> 34706
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34706

tgttcgcaca tcgttcgcgt gtatgatata cactcgacat ggtttgaagt agaagagacc 60
 ttcaatccta ttacgcaacg tgacggacaa aagtggacag ttaacttgaa tgatcattat 120
 tgncaatgca gaaagtattt tgcgcttcac tatccatggt cacacattat tgcagcttgt 180
 ggttacatga gcatgaacta ctaccaatat atagatggtt tttacacaaa tgagcttaaa 240

agtttactcc gcacaatggt ggcctcttgg gaatgaagcg actattcctc cttctaataga 300
 cgcattggaca cttatccctg acccaactac aattcgtgcg aaaggctcggc caaagtcaac 360
 aaggataagg aatgagatgg attgggtcaa accatctaag caccgacaaa aat 413

<210> 34707
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 34707

ttgcagcctc gaaatgatta gaggctagag tctctatgta taggctgatg agtactccag 60
 caccatatat aatgattggt cctgtcgtgt caaatatcat aaactaccca ccatactctt 120
 gaaatctata gcatacagct ttcttgcttc gtcgaacttt gataacttca ttttgcactc 180
 catcagtgat gcaattggct tgcactctatc catcttgaat ttattaagca tcttctttgc 240
 gtagctttgc agggaaatga agaattcatc ttctttctgc tttacctcaa tggcaagata 300
 gtatgaca 308

<210> 34708
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34708

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 tacgcttgct gcaccacatg aacgagttgt acggattggt gacaccgnct tcacgctgac 120
 agctgngctg gagcacgtga ctatcactac cctcatccta tgcattgcagg tagatgggct 180
 aataccacga atgtctgcta aagtccatcc aatggccttc ttgagcttcc ttgacaccgg 240
 caacaacttc tcctcttgct caacatcaat ggaagcagag atgatcactt ggaaattgat 300
 gcaatcctac cccgcaaggg cattggatag aagaactcca gtaaattggg ccacagatcc 360
 aagggaaggc cctagnngtc tcatgagcct taaagtagaa tttgagccca tgggcttaag 420
 attgagcccg cctatacttt gaattattac aataagtttt tcctttcggt agagcctgga 480
 ttttggccat tctcn 495

<210> 34709
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34709

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 taggtataaa aaaatcaa ataatcatgtt atttttttaa attggttaca ttattaaaaa 120
 tatatttttc ctattaaata attttttata ttttttttac tctggttgaa aaaggaatta 180
 aataataaat caatttaaag aaaaaaaatc ttcaaaaatg aaataaaact cctttttaat 240
 caatgtaaaa gaatacaaaa ataatatgaa gaaattaatt gaaaaataac tttctttgtt 300
 ccttttcttg tgtaatttaa cattntatgt cttttcctat gtacaagaga ctataaacgt 360
 aagttatgtg aaagaaacat tntcatataa tcattacgga tttgaatcct ctcatgtgaa 420
 attcttg 427

<210> 34710
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 34710

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 caggaaacgt tccgtgtcac gagtttcttt tatcacgtca cactcacgtt tgccctcttc 120
 tgggaagaat cattgatagc cctgaatttc tgctctcata acgctatatt ggcattgcgt 180
 attaccttgt acatgccagc tttcatattc atcattgaat acgcagggat aatctctatg 240
 atcctcgagt aagagtatta taacatggca aggatacttc tgagcacaga aatagctcac 300
 acagtttgtt atcttgatgg cgatgttctc cctcatttct gtctgtatta acctta 356

<210> 34711
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34711

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 attgagttaa tgaaatgatg ctaatgtgtc tcagtccac tttatgtatg cattntctat 120
 tctaatagcaa attttgtctt ccaagtcttt ccaacattta aaaaattagg aatcaatatt 180
 tactcagatt tttaaattta acattccatt ntcatatat tgatcctact tgagagagca 240
 ttgtttgtga cagtttggtt ttttttttaa tctttttctg atctntgtat actgcagnca 300
 attgcaactt tctttgatca nattatggct aagattggng gaaacacttg ctgcccaggt 360
 acataatata cttcaacgaa tcat 384

<210> 34712
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 34712
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 tatctaccga aactcttaac tagatgtaag ctctatcctc cctgctgcta tctttgaatt 120
 cttattgtct cgcttttgta tcaaaccctt gtcattgtgca agagctctta tatgaccttt 180
 tacatcttga aagaaaacac tacatgcggg gacagaagct ccgctgctaa gacaatttag 240
 agaccggccg tgagcctacc atactacata acttcctat 279

<210> 34713
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34713

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 taaatgcatg ataaaataat tntatcatga gattgattta tttatttctg tttttaattt 120
 gaccagtcta ttttaatatc cctgtatggc cttnttggtc ttgtttttta caatagaaat 180
 tgacgtaatt ttgtagcaac tgttgagctc tttgttgat gatcctgatg cataatttct 240
 ttgtaacagg gttacaggaa ttcttccgcc tctgagacgt aagttcaaga agttttaatc 300
 tcttctcaca agtttagaan atattgagtg gttgaagttt acaatattgt tctaaaatta 360
 ttggtgttat ttgctgggtga gttgattatt tgggttgaat caagtattan gtattaagtc 420

atagat

426

<210> 34714
<211> 389
<212> DNA
<213> Glycine max

<400> 34714

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gaaagagagc cctatgccat ccttggtacc tgaccatgca tacgaccc ctcgtgctac 120
ctatgacggc tccctatatg acagcacttg ggagtgcgct ctgacgcttg attaccacta 180
ctatctctca aggagttgca ggcctcttga ctatcataac tgggctacgg caggatcgat 240
gcagctccga ctgatgcttt actcaagaat gacaccgatc tatcatcatg cgtcaaggag 300
gctactgatg acagcttcac gaggatgact gtagagcaac gatgggtggac ttcaacctca 360
atgactttga tggcgacctt attactct 389

<210> 34715
<211> 229
<212> DNA
<213> Glycine max

<400> 34715

tagagcggcg aacatccaca cacaatgcat caatagcaac aaagacaacc agcacggcta 60
gatgaaatca gtgatacgcc accttctgat ctgaacgacc ccaaactgat attacgcat 120
ccatatacgg aaccagaaca cttataccac cacagcatcc ttggacaacg gcagaaaaaa 180
tattgcaacc actctcaatc aaagagccca accgagctct gacaacatc 229

<210> 34716
<211> 66
<212> DNA
<213> Glycine max

<400> 34716

tagctaaaaa ggaaactcat ttacaataa agagcaacat taaagaaact ttccctctta 60
gacaac 66

<210> 34717
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34717

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 gtggatggcg cctcctctca cctcttttcc tttgtcttcc actgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc anagatccaa cctccataga agccccacaa 180
 tcaagcttcc atcagttgta gaccctaag accaagaaaa gacagctttc acatgtccct 240
 ttggtgtttt tgcttattgc cgaatgccat tcgggttatg taatgctcct gctacgttcc 300
 aaagatgtat gatggctatc tttgctgaca tggtagagaa gtgcattgaa gtctttatgg 360
 atgaattttc agtctttggc gcatctt 387

<210> 34718
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34718

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 atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacatg tacttccaag 120
 gtgtatttgt tacttacatc acacacatct ccttggctaa atttacatac atgcatactc 180
 aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc taatacctat 240
 acatacacia acttcatgat gaatattgac tatctacaca ataaagtgtc acatttcatg 300
 ctcttttcaa gtttttgcta cctaaagctg catgcaaatt caagtatatt ttcccttgct 360
 gactaaaatt gtattaaaag gtatatattc tttntgtaat gtattttctt tacataacat 420
 gcaacatatt tatatata 438

<210> 34719
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34719

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acagaagctc tcgagaaatt cgaatgggtca taacttttca cacggatgtc cgattcgggc 120
gcataaatatg tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttctaattggt 180
cataactttt cactcggatg accggatcaa ggcataata tatcgagacg ctcgaaattg 240
aacaacggaa gcttccgaga aattcaaattg gtcataaact ttaactcaga ggcccgatgc 300
atgcgcataa tatatcgaga cgcttcgaat tgaacatcgg aagctctcta gaaattcaaa 360
tggtcataaa ctttcacttg gaggtccgat tc 392

<210> 34720

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34720

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atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacatttt 120
aactcggatg tccgattgag tcccgttaata tatcaagaca ctcgaaattg agaataaaag 180
ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattga gtccagtaat 240
atatctagac actcgaaatt gagaatagaa gagctgagca aattcaaacg acaataactt 300
tttactcgga tgtccgatgg agtcccagagc gtctcgatat attatgcgcc taaattggac 360
atccgagtta aaagttatga caattttaat tgc 393

<210> 34721

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34721

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cgattcttga aggtctacct agggattttg actcanagat tgctctaatt gagagtcgtc 120
taccacacat caccattgaa gaagctgaag gttacattct tacgcaagaa ctatgaattc 180

gaaaaataca ctacactcga atctttgagt aattccttca caccaacagt gaatcttact 240
 caaatgagtt cttcgcattc cactgagaat gataactcaa attcgtactt tgacaccaat 300
 acaatgtata ccaatcagta ttcctc 326

<210> 34722
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34722

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 aaggagaaat agtctcttaa tgagctcatt tcatactgtg tgcaagaaga gcaaaggccg 120
 aagcaagaaa ggacctgctc atgttgtgag tacctctaaa tacaagggca aaagaaaaag 180
 aactgaggag ctcaagaatg aagctgctaa aggttttagta caaaagaaac aaaatcaagg 240
 tgacaattgt ttcttttgca gtgagcctgg acatgtaaag aagaaatgta ccaaatatca 300
 tgcttggcat gcaaagaaag gtatgtttct tactttgggc tgttctgagg tcaatttagc 360
 ttcagtacct aanaacactt ggtgggttaga ttctggtgtc actactaaca tcagtgtttc 420
 aat 423

<210> 34723
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34723

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 taattatgac ctttcaagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120
 atggacaagt cctccacaac aacaacaacc tgtccctcct tttccagaat gttgctgggc 180
 caagcaagcc atatgttcct cctccaatgc agcaacaaca gcagcagtc caacaaagac 240
 aacaaggaac tgaggctcct cctcaacctt ccttagaaga gttagtgagg caaatgacca 300
 tccagaatat gcaatttcag caagagacaa gagcctccat tcagagtctg acaaatcaga 360
 tggngcagat ggctactcag ttgaaccaag ctcagtccca aaattctgac aaattgcctt 420

cacaaaact

428

<210> 34724
<211> 362
<212> DNA
<213> Glycine max

<400> 34724

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atgggtgcctc ccctctcttc ttctcctttg ccttccgctg catctctatg gtgaaaaatc 120
accattgaag gacctcattg aagctcacag atccagcctc catagaagct ccacaagcaa 180
gcttccatca gtaaggaggt aagtgtctcc tccaacagga tagctgcaaa agaaactcat 240
tcttcactca agagaaacat tccagatact atcccgctta gacgacctcc atattaactg 300
tttcagaaaa aaacacttgc tagcattgcc acacctcttg ggcttgagtt tattcctcaa 360
gt 362

<210> 34725
<211> 396
<212> DNA
<213> Glycine max

<400> 34725

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cacctaaatt gataaagaaa catcataaac tcatacatcc tatgcaaaca aggcaaata 120
ggccccaaata gtatcactta tcttttaate atcttatctt ttatttttct tatcttatct 180
tgttttatct ttatcttaat cttttatttt tcttatcttt tacctttatc ttctttatcc 240
tttatcttct atctttgtct ttatttttta taatctttta attgaatatt ttatcttctc 300
tatctttctat ttgggtcttt acatcttcta tcttttcttt cacatcttta tcttatctgc 360
tatattgtct tatctttatt ttaaattaat tatcta 396

<210> 34726
<211> 367
<212> DNA
<213> Glycine max

<400> 34726

tgacaatatt acaaattctca atatacgttg ttaagtgtga ttatggatct tcatttggta 60
aaccatgaaa caaattgctc tgtattagtt gtatcaatga aggtgggtag gttaagtttt 120
gtgcttgaac ctctggccgc gcaacacttg agaaatattg cagcatcgaa gtacttgagt 180
aatctttctca ggccactcat gcatgggtgct cttcatccat gacttcggct tcaaattctg 240
ctatttgaga ttccctggat gtaggcgaat tacaagatga tgactcagca aagcgagtct 300
cttcaaagat tgatgctact gttctgtcgt gtaaaagctt tctttttctc tttgcgctgt 360
ttctttct 367

<210> 34727
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34727

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agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
cacatattca catatatctc atttatgatt acttattatg cacatacctg tctgtccatc 180
caagcaacac tgtgacagat cacccaagca ggttgaatat tctgggggag gactaggata 240
ctcgccaggg caatatgatc cccaactact ctcttctgca ttggaagctg tggatgcata 300
tatattgata tgttaggtaa taagacctgc tatgagtact ccacatacac atgcctcc 358

<210> 34728
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34728

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tatcttttgc ttctagacca tgaccacat cttccaacca tcaccacctc caattggtag 120
ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
ttacgataag tgtgcttggtg tcttaccct gngtttgcaa acttatccct aaccaaatta 240
ataccaaca atacagggga caagattggg tggactagac ttgttagtat tatatatata 300

tatataatat tttataaaact attcttttaa gtattgatta attaacaaaa ttgtgtcaca 360
 ttatataagg aaaaaatatc catatataaa tatttcatta ataacattaa acactat 417

<210> 34729
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34729

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 atatatccag acgctcgata ttgaatgttg aatctctgag ccaatgcaaa cgacaataac 120
 tctttactcg gatgtctgat tgcgtcccg c aatataatcga gactcatcaa aattgactgg 180
 tgaacctgtg agctgattca cagcagata actttgaact cggatgcctg attgagtcct 240
 gtcatacatc gagacgctcg acattgaatg ttgaagctct gaaccgattc atacgaccat 300
 aactgtatac ttggatgtct gattgacgct cgtacatatc gagacgctcg agattgtatg 360
 ttgtagctct gagccaatgc atacggacat aactctttac tcagatgtct g 411

<210> 34730
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34730

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 aagatattgt cgcttgatt ggctcataga atcaacattc aatatcgagc gtctcaatat 120
 attacgggac tcattcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag 180
 cttcaacaat caatttcgag cgtctagata tatgacgaga ctgagtcaga catccgagta 240
 aaaagttatt gtcggctgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcat acatccgaga tgaaagttat tgcgtttga atttgctcag 360
 aggttcaaca ttcaatttcg agcgtctcga tatatgacaa gactcaatc 409

<210> 34731
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34731

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caaatacattc tcaaacactc atttcatgca aaacaatcca ctacatatca ttttcaatca 120
attcattggtt caaacacgct tttggtacaa acaaacaact caaagtgtg acatctatat 180
aattgaaatt tacaacaatt gacatatata atctgaaatt aatatgactg aacataaatc 240
ataaaataat tgaatataaa ctataatggt cgagatgcac aaatttacat gtcctgctgc 300
tgatggtgct cctatgcatg ctcattaang atcaacacct 340

<210> 34732
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34732

agctntaaac caaaacatgt aattgattaa tacgtagcaa taatcgatta aaacagacaa 60
ttttgaacca aaacaccaca aacacataaa tggcaatcga ttaaatcatg gggtaattga 120
ttcaaataata aagtttcaaa aattgataac tcacagaaac atagtgtaat cgattaacat 180
gaatgagtaa tcgattaaaa caatgaaaaa cacgaaataa tcaaagtga acatgtattt 240
ttcagagaaa aatcaacttc acatcaacat actaagacat ttgaagaana ttaatagaca 300
tggagagcat atataacagg ctacttgtag taagcttagt cgtcattcaa tactagaccc 360
atctaagata cctagttcat tcctaataaa gaagaaccta tctctagcaa c 411

<210> 34733
<211> 405
<212> DNA
<213> Glycine max

<400> 34733

tccttgagaa gcaaggaagg tagcatccta gggaagcgat gaagaaagct tcctttggaa 60
gcgacgaaga aagcttccgc tagagggttag ctactcacac ccctccaata gctaagctca 120
atcccatacc aaaatacatg aaaatgcaaa aaaattccta ctacaaagac tactcaaaat 180
gccctgaaat agaaggctaa aatcttatac tactagggtg taacttaactt gtagggtagg 240

tgtgcccctta attttagggg taccctacaa acctaaaatg accaaaatac aaggcccaaa 300
agaaggaaaa cctattttga tatttacaaa gaaaaatgga cccaaccttg gctcatgggtg 360
atgcaatctt acccccacag ggtattggat agaagactcc aagag 405

<210> 34734
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34734

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atgggtgtatc agaaaggcgt aatagaactt taatggatat gattaggagt atgttaatca 120
attcaacttt actcgtattt ttgtggatgt atgccttgaa aactgccatg tatttgttga 180
ataggggttcc tagtaaggca gttccaaaga caccttttga actgtggatg aataggacac 240
ctagtataag gcacatgcat gtttgggggtt gccagacaga aataaggatt tataatccgc 300
aagagagaaa atnggatgca agaacaatca gtgaatattt catttggtat ccaaaaaagt 360
catgnggtat atgttttttt gcctaatacat agtatgagaa ttggtgaaac tggaaatgca 420
nggttactga aaatg 435

<210> 34735
<211> 451
<212> DNA
<213> Glycine max

<400> 34735

tgtaagcgac actatgcaat actccatctt atcgatgtat gaacttatga tgcagcgctc 60
cgaacgccat caacagctgt tccgcacat tgctgactgt gatggtcgct ctttaaggtag 120
ttaccatggt gaagaaagat accctctctc ataaggcctc cttcaactgc aataacctat 180
ttcctcatga caacaatcaa ggtgccgaat gctccatgcc tgtgtgccaa tattaggata 240
caccgtgtca catgatctgc tatgaaaacc actcatggct ccgttcaaga aatgagtggc 300
cgagcgatga agtgctttgc cgaatgccaa cgaaagaga atgagcaatt gtgcctctct 360
atgcgaaacg ccatagacac aattatccaa ccttgggtgc gtcctataac agaacatgca 420

acaagatcta ataacaatgc ttggagttga a

451

<210> 34736

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34736

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aagtcacccc caatagccaa caagtcaccc accatttggc ctcccaaaag gctgatgcct 180

atgttgccaa ttggggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240

gattaaccca caacatattt ttggtcagcc aactttacaa ggattgggccc attatttaga 300

cagactanac actctaaaat tgaaacaaag tgggtgcatt tagtcctcct ccatttgggc 360

catgatacaa ctcac 375

<210> 34737

<211> 246

<212> DNA

<213> Glycine max

<400> 34737

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tctcgagagc tagcgatgtt caatggggag cgacaccatg tataatgtcc gcgaatcgct 120

catgcgcgtg aacagtcag accattccaa tttctcgaga gctatcgttg gtcaatgaca 180

accggctata taactaatga ccccaactcc agcatccgag cgaatagtta ggacccttca 240

cctttc 246

<210> 34738

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34738

agctncatan gataccactg ggcccagggt cattanaagg tttcatactg gaaaattaca 60

ttccttaaatt ctcgtcattt ttgtaaaggc tttttgaatg gctttccggn tcaacaaact 120
 ttgcaaattc ttgaacatcg tgaaaaaagg ccaaaaatta atgtagtac cttgagcttc 180
 aaagctttat ttgtcacatt tgtcaaataa gaaaaccttt caaaagtctc aaaacatttg 240
 acattattta taanaagtcc ccaataaat acttttttta ttgagagcat tatcatttnt 300
 gtatactcag ttttatgaat aatagtttac aaatacctag ttgttntaaa nttaaaaatt 360
 aaagtttatt gtgttataaa atctcaaaag catactcatt ttattggagc atatttttta 420
 tgattcaatt tata 434

<210> 34739
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34739

tcaaagggtg tattgcatta gaattccgtt tgactcattt ttattttgaa gattgcctta 60
 aaattaaaat ttagaaataa gaggttttaa tataactaaa agaattaata tatatttttt 120
 taaaaatttc attaaactaa aatagatcat ctgaaatgaa gaaattaagg aagtttcgga 180
 catgcgggtc aaacttgttg aaaatatgtg tgtgtttttt ttttggtcgt tgctttctga 240
 aatttatgat tgtgcgtaac ccgagggtcta cgttctacaa atgaatgcca ttagactaa 300
 agaaacatga ctccgcattt tcatctaaat tattactttt tagaatgcta ccgacacatt 360
 aacaacctaa gcagcacatt aacaaaattt aactgatcga ttctagttcc caacctcat 420
 tttgggttat t 431

<210> 34740
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34740

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 gcacaacaag ctttcacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccatctga gtcacgtac tcccacgtag cccatattct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aacagcacia 240

gctatcacag ccaagcaaaa cagagcanag gcagaaaact ctgctcaaca catcaaccaa 300
aatcacagct tttctcactt anagacccca gtaacaattc cttcgatcca attcggttaac 360
cgggtggatcg actccaaaat tntactggaa gtctatagtg tataagccta cattgtgacc 420
gttgggatct act 433

<210> 34741
<211> 80
<212> DNA
<213> Glycine max

<400> 34741

tctatactct atacaagaat taagctctga taccacttgt tagacaagtg gcctcataaa 60
tcttaagagg gggggggggg 80

<210> 34742
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34742

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gtggatggtg cctcccctat cctcttctcc ttgacctcc gctgcatctc catgggtgaaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccgtaga agctccacaa 180
gcaagcttcc atcaagtggc aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ntttttcttt accttctctt ccattgatga ttcttcattn ttctccatgt 300
atctcctcac atgtcttggt ctanatgttg ttaacatgat tctttagagt ttccaccgat 360
taaacttgct atagaagtta gaattgattn tctatggntc acatttcttg ttcttggtct 420
tg 422

<210> 34743
<211> 397
<212> DNA
<213> Glycine max

<400> 34743

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tcaatttcga gcattctgac atattatgtg cccgaatctg actttcgtgt gataagctct 120
gaccatttga atttctcgag agcttccgat gctcaatttc gagcgtctca atatattgtc 180
cgctgaatc ggagctcagt gtgaaaagct atgaccattt gtatttgtcg aatgcttcct 240
tggttcaatt tcaagcatct ccgaataatt atagtcttga gtctaacctc cgtgtgaaaa 300
gatgtgacca ttgaatctc tcgagagctt gcgttgatca ctttcgagcg tctctgtata 360
ttatgcgccc gaatcagaca tccgggtgag aagtcac 397

<210> 34744
<211> 430
<212> DNA
<213> Glycine max

<400> 34744
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aagattccta aagaagctag agtttaacta cacataacct tctaatagct aagttcacct 120
ccttgagatg agaagctaga acttagctac acaccccta tagtagctaa gtcaccccc 180
atgacaaact acatgagaat acgaaataaa tccctactac gaagactact cagaatgcct 240
cgaaatacaa ggctgaaacc ctatactact agagtggcca caatacattg cccagacgaa 300
ggagtaacct attctaatat ttacaaagat aagcgggctc atacttagcc catgggctct 360
taatctagcc taatgctcat gagaacacta gggcgttcc ttgtatctct ggccaatct 420
acttgagtc 430

<210> 34745
<211> 129
<212> DNA
<213> Glycine max

<400> 34745
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cttgataggc tcctatgcgc tattgagaat gaccattcct aatctctaca gagccttcgt 120
cgctcaatt 129

<210> 34746

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34746

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 cgtgaagtgc gtggctacga gtggaacttc gaacatccag gtttgggtgg acttctttct 120
 ctcttanatt tcgtgggtat gngggtttgg gagatatgat ggggtggcttt gttagttttc 180
 tgctgtgtga tgattatttg tgaaggcatt tgctgaatac ttgatgaaat cgccatgttt 240
 ggatgagtta gacataccca ttctggttta tgggttttgg tgatgatgtt tgtgatggtt 300
 atatgctgaa attgctgatg gaaatctgtt atagacaaag ggtagaacta acccaagggt 360
 agaaagtgag aatgtgattg tatgagtgg 389

<210> 34747
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34747

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 cctagtctgt cagaaggcta agatagaaca ttagagacct tcaaggaagt tacaaccctt 180
 agagataccc tagtggaagg gggacagtat ttccatggat tttgtggtag gactacctag 240
 gaccctaga ggcttagatt ctatctgggt tattctcgat agattgacta agtctgctca 300
 cttcattccc attaatatca gattttcctt ggaaaagttg actaccttgt atataagtga 360
 gggtttcaag ttacatggtg tgccatctag catagtatct gat 403

<210> 34748
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34748

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aaacaataca ttctcaagca ccttgagaat aaattaaaca ctaccatggg catgcatatt 120
gcaaaaaata tgaccttttc tctaataaat cacttcaaac caatgataac taatcaatat 180
tatgcaacta attaaaataa agaatggaaa aaagagttgt tttaggactc aaattataaa 240
tgaaagctca aaattgaaac tgccttgcac atgacaccta agaaggatag attatgagat 300
atgttaacct ttccttacct gtattcgagc tctagacctt actatgatat ttgagattgg 360
cctgcaagct tgattaaaca tgcttttgnt atagtcactc gtaagaagtt t 411

<210> 34749
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34749

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caatggatat ccttctatta agctaatttt ttaaagtatt attcctagca agcacatata 120
agggctctga aatttccatt ttgcctgtg gcagtgtgag taggggaagc agacacgtca 180
cacggacacg tggcaggggt gccactgcat tntacgaaac gagaatgggc atttcgggtca 240
ttgcgtaggg tagtactagg gtttttgggg tacattcaca tagtcggntg ttgttgctcc 300
aatttcttat tntgggtgcat gcgagtgagg ggctttgtaa attaatgtgt tctagtaata 360
gtacgggagc taatagtagt atttctgtga ttgggtgttg agattgatca agtgaatata 420
atattg 426

<210> 34750
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34750

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cacttctgtt ctaccatttt cttgcacaaa atttcgtgcc ttttccatta gtgataatca 120
tagaaggata aatacttcat ccatccaagg atccactcca agcaagactg aatttgcgtt 180
ctgggttagc atttataatc tttgtgaata aaatctttct cttcaatcct atttcogatt 240

ttcatgatta tgattatgct taggactgaa aacggatttg gctatggatt aatttcctag 300
 atttgaaatt taatcataga ctatttggag gattctccaa cctaatttgt gatctcgaac 360
 aatctaagga tagattcgat tgaactatct ctaatgcatt ngactgaact tttacactga 420
 acatca 426

<210> 34751
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34751

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 aaagtcttat gagatacact tcaaagttcc acttctttcc ctcttttatt ccttcaattt 180
 cgtgctcccc ccttctctct ttcttttcc ccatcgaagc atcctctcca agctttttat 240
 ccaaggetca tcttggtggt gaagctcctt cttccatggc ttattcccta gtggatggcg 300
 cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catgggtggaa aatcaccatt 360
 aaaggacctc attgaatctc anagatccag cttccataga agctccacaa gcaagcttcc 420
 atcaacata 429

<210> 34752
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 34752

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 taaaaagtta ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctt 180
 agaggggtcaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaaga tattgtcggt tgaattggct gagagcttca acattcaatt tcgagcgtct 300
 cgatatatga cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 tgagagcttc aacattcaat ttcgagcgtc tcgatatatt acgggactca atca 414

<210> 34753
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34753

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 atcgagacgc tcgaaattga atgttgaaac cctaagctaa ttcaaacgac aataaatttt 120
 tactcagatg tctgattgag tcccgtaca tatcgagacg ctcgaaattg aatgttgaag 180
 ctctgagcta attcaaacga ccatactttt ttactcgggt atctgattaa gtcccgtaac 240
 atatcgagat gctcgaaatt gaatgttgaa gctctcagcc aattcaaacg ataataactt 300
 ttactcggga tgtctgattg agtcccgtaa tataacgaga cgctcgaaat tgaatgatga 360
 acctctaagc caattcatac gacaatatct ttntactcgg atgtttgaat gagtcc 416

<210> 34754
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34754

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 cttaggcact tctctctctt tctaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aagccgaggc gcttccgaaa cgtttccata acgtttccgt gaggaatttc gggaagggtt 180
 cgaccgttct tcgacgttct tcattcgttc ttatcgttc ttcgatcttc aacgggtaag 240
 taactcgaac caagcttttc gattcattct atgtaccgtt ggtggtccac attgtgtttc 300
 gtgtatttct attctcgtt catttacttt ttataccccc ttttgacgtg cttaagccat 360
 tttatttaag tcatttctcg cttaacctat aaataaaata aatttccacc gatcgtttga 420
 aatgtg 426

<210> 34755
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34755

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aaagactgga cctcttgcta gttgttattg atgaaaagct taaacacttg tgcttgagtg 120
aaacagtagc cgtgagactg tggtttaagc tactttcctt gatatatgtc ttatgcctaa 180
ctccaattaa ttgtacagga tacattatat tcttctcttt gaataattgc atgctttgtg 240
aaagacaagt gatgagggca ttttacttca ttctattatc atgcaatcaa tagtttttgt 300
tgcatacacc tttgtacata gtcactgcat attcttgtca cttgnngacc aatgagttgt 360
tctttat 367

<210> 34756
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34756

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tatgaagaga taacaattta gagagtgatc gaagactttc aaatggattt cactgaatt 120
tattcataga gagatcgaga tatcttaatg atgaaaagtt tccaaatgat ctaggaagag 180
caccaccaat ttgagttgtg gaaaaaagta acgtgtcaat atttttaaat gccccaatat 240
gatctgtcag attgcctgaa agtcgtgaac tctgaactgc aagtcttgtg agtccatggg 300
aaataccagg agcangaatt tctaaaagtc attaaccttg tggttgagtt tgagatatga 360
tanatctatc accct 375

<210> 34757
<211> 401
<212> DNA
<213> Glycine max

<400> 34757

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ctaattttca acttacctat ttggatgtga catcatggca gataggtccc aactttccgt 120
cgtggattca gtcacaaaac aaacttcaat atgttggact gtctaacacg gggattttag 180

attttattcc cacttggttc tgggaagcac attctcaggt tttgtattta aacctctctc 240
 ataatcatat ccgtggtgag cttgtgacta caataaaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcat ttatgtggta aattacccta tctttcaaat gctgtgtata 360
 ggtagacct ttcaaccaat tcattctctg gatccatgca a 401

<210> 34758
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34758

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 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgnngggca agtaaatttt cttcccatca gaccttgaat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag tcacccctcg tcttgccctg aatgttaag 240
 agcgtcccaa tcacactgtc acaaacattn ttctccacat gcataacatc aatacaatgt 300
 ctaacatcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatag 360
 caactctgac ttttatectt cttttgggtc ttccanata cagtattcag gtgttgaacc 420
 cgctgatata cct 433

<210> 34759
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34759

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 atcaactcat gctcaacttt agcttggctt ttatgttaac agttgcccaa aaatagagca 120
 aatcgatttg aaatttggtc atgaccatat ccataatgct ccatcactag cagctgcatt 180
 aataagaatg cactttcatg actgttttgt aagggtatgc gctccaatct ttaagcttct 240
 ttcatTTTTA cttaacaagt acaatgttat tgtagatta aggttaagga gctaactaag 300
 atgaagcatt tcagggatgt gatgcatcag cccttttgaa ctcaacaacc aatcagggtg 360

agaagaatgc tcgtccaaat cttacagtaa gaggctttga cttcattggc attataa 417

<210> 34760
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34760

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 taattatgat cttttaagga acatatacaa tctatgttgg agaaatcatg canatctgag 120
 atgggcaagt actccaaaac aacaacaacc tgtccctcct ttccagaatg ctactggtcc 180
 aagcaagcca tatgttccta ctgcaatgca acaacagcag cagcagtcac aacaaagaca 240
 acaattaact gaggtcctc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat 300
 ccagaatatg caatttcagc aagagacaaa agactccatt cagagtctaa caaatcagat 360
 ggggcagatg gttactcagt tgaaccaagc tcagtcccaa aattctgaca a 411

<210> 34761
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 34761

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 gaatagctgc aagcaaagaa tgtatatatt aagaaatata ttgaacaggt attcagccta 120
 gctgactacc caagaatacc atggtaaaac ctttaagata cttaaagcata ccctatagag 180
 gtgtcaagta tttagctctg ccgaattccc aagtaccaca attaccttat ctttcaaagg 240
 ttaccttctg tttaacaata ttaggtatth gtccctagcg aatacccaag caccatggct 300
 atcctatcct tcaaatggta tcttttgctt aacagcatca agaatgagac catgtggaat 360
 actcgagtac tatgaatatc ctatcctcca aaggttatcc tctatt 406

<210> 34762
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 34762

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 cgggtcgcgtg ttgggggaaaa aagcaaaaca cgtgtagcta ttttaattnt tttaaaattc 180
 caactttgtc aactacatgc gtatttttctt tttcctctta ctataggggc tnttattttt 240
 gtggtggcat tggttagcca attggtgata aatattttta tgtattttgc tgataaattg 300
 gtgataaata ttgatattgn gtgtaaataa aatatttttt tagcacacat tatattaaan 360
 aaatactagg aaagttaaga aataatttct tttaatgaat atccctcaat tntctctttc 420
 ttagttatt 429

<210> 34763

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34763

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 tcgccaggag gtgcaagttc tacaaccagt cttcttggct caagcagtgg cgtatgcacg 180
 cttataggag gagaaactcc tcgatgcacg taggtcacc acgcagcatt ttcaatcggc 240
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 tactcctcaa agaacctcaa ctcccttccat tccttttaag tgtctcacat cggaagagct 360
 tgcgattcgc cgcgagaaaa gggttatgtt tcaactgtgat gagaagttnt ctcgagggtca 420
 caagtgttca ccc 433

<210> 34764

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34764

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 taaccctcat ttactaaag ccagaaacct ggtaatctat cctactaaat cagttataag 180
 gttgcatgcc ttgaccttgc aatgtcttca tgattcatat atgcaattat gtgatagcta 240
 ttggccatac tagtgagtga attaatagata gagtcgacat tttttttgtt aaaaaaacg 300
 atcgtttcgt tcatgttggt gcaagataac tgctgaggat tgagttataa ctatcgttgt 360
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<210> 34765
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34765

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 actgtgacta ggcagcttc tagtcggcca aatgaatcca cccacttatt tacctcaatt 180
 aatgctaaca ttccggctct aacgtcaccg gcacagaaga attccgttaa gaagccaacg 240
 gatcgggcca aagctccttt tgagaaaggc tacagccaaa cggactggct caagctcacc 300
 caaacacatg ctgaccttgc aagttctcat actcaatttt tgtactatgc aatctcaatc 360
 attaactttg gtggatcagt tttcaaaatt tcttccaatt tcttagagct ttgtaagaga 420

<210> 34766
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34766

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 gatgaaggag aagcccgtgt tgtgactgcc attcctatac agccaagttt cccaccaacc 180
 caacaatgtc attactcagc caataaccta ccttccctt acccaccgcc cagttatcca 240
 caaaggccat ccctataaca accacaaagt ttgtcttccg cactaccaat gacgaacatc 300
 acctttagca cataccaaga gactaacca agaaatgaat gttgcagcga gaaagcctgt 360

agaattcacc ccaattccag tgcctatgc tgacttgctc ccatactac ttgataattc 420
aatg 424

<210> 34767
<211> 424
<212> DNA
<213> Glycine max

<400> 34767

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tgcacccccct tctatctttt tggtaattct ttttccgtaa cgttatgaaa cgttacaaat 180
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tcgacttcg cctcattacg gaatttcatt gattgtgcaa gcctgcttcc ttttgctttt 360
cgagacgtct cgggacttca tttattgtgc aaccaatgac tctgagcgac tcggacaaac 420
caat 424

<210> 34768
<211> 421
<212> DNA
<213> Glycine max

<400> 34768

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gaaatcgtgg gaagtatggt ttaagctata agccactca ggcggatatg aagagaagca 180
tcgcgggaag gaagagcggg ggtcaaagct cgcgttgagg acaagagagt gaaggaagcc 240
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tcgcaatatg agaagatgat gttttgagta cattggattt ggtacgacca tgcccttttg 360
atttcagct aggaattgg cgagtggagg aacgccctgg catttacgca acgagcataa 420
t 421

<210> 34769
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34769

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 acaaaagtgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
 tcactatcca tgttcacaca ttattgcagc ttgtggttac gtgagcatga actactacca 240
 atatataaat gttgtttaca ccaatgagca catcttataa gcatactccg cacagtgggtg 300
 gcctcttggg aatgaagcgg caattcctcc ttttgatgag gcatggacac taatccctga 360
 cccaactaca attcgtgcga naggtcggcc aaaatcatca aggataagga atgagatgga 420
 ttgggtc 427

<210> 34770
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34770

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 aaaaggtcta ccaatacttt ctgatagttt gccaaactat catgcttggtc aatttggtaa 180
 acaaaaacaaa aaatcattcc ccaaatactc ttggagagcc tctcataagt ttagtagtaat 240
 tcacactgat gtgataggac ctcaaagaac accatcacta caaggtagtc tctactttat 300
 tcatttcata gatgactnta caagaatgtg ctggatnttt tttcttgaaa ttcaagcatg 360
 aagtggctga agtatttgtg aagttcaaga taatgggtgga aactcacagt ggctgcnaga 420
 ttcaatgact 430

<210> 34771
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34771

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agtactttcg acacctactg tacgttgatt tcaccaatgc tgttatggga atgttgcgac 120
aatcctttta aaccttattg atacattctg agaggttcgt tgtcatgtgg ccatattgac 180
gtccttctct atcgtaagcc atcgctccatt tttcttttga gatgcgatca atccatgttg 240
ctatcgctgg actcagatca ccaaagtttc taaattttga tcaaaaatgt gcttgcaagg 300
agtgtaggct gcataaaatt agttatgaat aacaatttat agtataaatg atagtaaaat 360
aaacgtggcc atcaaatatg aaattgtacc caacttcttc aacatttctt t 411

<210> 34772

<211> 410

<212> DNA

<213> Glycine max

<400> 34772

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gggaatttgt ggatttgcca caaaacgctg aagtcgatga gatttgataa taggttcaac 120
ctgttggcgc cataacagga agggcaaadc atcgagcttg tgagaaatga aactatgaag 180
agcaaaatga atgaacgagt tgatttgagc aaccattgct gatcatacca agcgccacat 240
accatatcag aattcttaca gatgattttt tgagaaccta aagagaatag aaatctgaga 300
tagtgactgt gagtcttcat caaccacttg acttgaatat agatctttgt atttatagac 360
agaactgata ttagatcatg tgtcacaact aattaacagc tgtcataact 410

<210> 34773

<211> 421

<212> DNA

<213> Glycine max

<400> 34773

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tatatatata tatatatata tatatatatt aggggctacc tgtcatcttt tacactcctt 120
gtacagagag agggagagag agatatggcc taagctatgg cgtagcgcg cgcacagggc 180
gtaatactcc atgatgcgcg tgagtctcac acgcaggata taaaacggg ctccgataaa 240

aaatattgtc gagtgaacat actctgggag cggcataaca aatatgtagg cgattttattc 300
 taaaagcacg ctttgttcga ctcgataag tgtattatat ttatcatatt gcgagacaca 360
 gtatgtaaag tatgtctttc tgaagagata tgacctaaag tgcgagagat ctccttgtag 420
 g 421

<210> 34774
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 34774
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 gcttacttct acagcgtatt cagattgaag cacctttaca ctggctgttc catagacgcc 120
 gagattacaa attgatcaag attatctgat gagcgtgcga tcacctacgc acacctatc 180
 catagcgcaa gctacagcca ttatctgacg attgatactc actggctcat atacgctata 240
 agtgtcttgc acctgatggc agaacttaca tctctctaga tgaata 286

<210> 34775
 <211> 332
 <212> DNA
 <213> Glycine max *

<400> 34775
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 aaacgcggag agctagctga tatcactact ctactgactc taatactctg gcgtcaatag 120
 aggttccctt ctatcatgca ccagacatgc ttaatggcta ccttatctta tacttcagtt 180
 ggaaagtcac ttctttcatc acaacaaagt tgcataata gagagcatct tttgataaag 240
 aacactgcct tctacactat ggactccatt tattcttcat aggacaatga cacatcctaa 300
 gagacatttt tttgcatgaa aatctcttac ac 332

<210> 34776
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 34776

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acaaaaagaa gggaagcacc agctccctat ctatttcgcc agccgcaaac tccatgacac 180
taagaaacgc tatcacatga tagaaaaatg tggcgctagc actcattacc tcggctcgat 240
gtctcaggcc tacttccaga gtcattaagt ggtagtcaaa atgaattaca ccatcaagca 300
agttttgaga taacaagaac tcagaggaag gatgttggtc tgggtctatat aactttcaga 360
gtttaacatg cagtatgaac atcacagccg catgaagaca tagttcatgg ataactttct 420
a 421

<210> 34777
<211> 417
<212> DNA
<213> Glycine max

<400> 34777
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atgaatatcc aatgcttttg tgttttgggtc ctctttgtag agaataaatg ttattttctt 120
cataggatct gtccaaatgt atgaatcaga aagaagtcaa ctaaaaaact gcctactaca 180
ttaaaaaggca tgtcaaaaca agttgcaaag tatttgcata cagaaaagca aatatgatca 240
cttacacaag atatgaagtg tagaaatagt atgataaact gatttatcat atgaacatga 300
caagttaatg acttgcatta aatgcttcga tgattatttc caccaataga tgaagatgaa 360
aacttcacaa gttacaacta tcatcctttg aacgtgttat atatacttga agacttg 417

<210> 34778
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34778

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tgtgcttttt ctatctaatt tgcaacctgc aaaattagaa tatgaaaagc ctgtagatt 120
taaggaagta tccttgggat acctcaaacc tacattgggt gtgtccttaa ggtacttaat 180

gatctttttg atagatgtta agtgagattc cttatgattg gtctgggtacc ttgcacataa 240
 gtaaacactc cactgattta agtagaaaag tgatccaatc atacctctat atcttgactc 300
 atccactgat tntcctttct catctaagtc atggtaggtt gaagttgccca ttggagtaga 360
 tgcttctttg cattnttcca taccgaatnt cctaattagt tntgtacaat acttggtttg 420
 actaa 425

<210> 34779
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34779

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 tttcttctct ctcttgcttc tgggagggtt cttgggcctc gaacaccaag tataacagtg 120
 gtgctttcat tgagcatcaa tggcagatgg aacacgttct aaggcatcat cagagcgtct 180
 ggaagatgca attgcaaagc tcactacttc gcaacttgct atgaactcga agattgatga 240
 tcttctccat cgaatgtctc agctcgaggc gaatcaacag caacogcaat ctccgtcgtc 300
 gtcgttcgca ggacacatgt cgccgtctca aagccccttc caccgtatga agcttgatgt 360
 tccgagaatt gatagttctg atccaacggg tt 392

<210> 34780
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34780

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 cagtagctca aaagggagga aatggagaat tttcttttct tataagaggt ttgtatgtga 120
 gagagagaag cgattagcga gaaaattgga gagtgggtgag actttgtggt gggttggcca 180
 tgaaggaagg ggtgctatgt gtcaactagc tacgtgggtg aggtggaaga ttgtgtgtca 240
 ccaagtgagc ttgcatgaga ggtgagggtg tggctaatta tggattagct tttatgtaca 300
 ccaagcttag ttttaatttta cactgtgtaa ttataactca ttaacattct atagcaactc 360
 ttatcatcac atctatatta gctgatctgt aatgaccgcg tgctcgtaca tggatctaga 420

aaccatat 428

<210> 34781
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34781

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 gggaagacac gtatccgaga caaccaggag gtagaattga cgagaaatag tgtcaaatat 120
 ttcagatttg gcagatcagg tcatatcaaa agaaattgca gaactagact ctntaaagtg 180
 aatgctacat acgaagaaga tgaagatgac tcatttgagt cacttacann nnnccaatgc 240
 ttcgccatct acgatcggac gattggacgg cccgggggtac tagtcaatta cctagattac 300
 cagagagaat ggatcctaga ctctagtgtgc tcacatcatg taatangaaa ggggtgggt 358

<210> 34782
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34782

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 ttactcttan agcaaaaatg gcatataacc tcttcccata aatacaaaaca tcaatgtaaa 120
 tttagagcaa gcttatgcgc ctatttcctt acaaacgttc ttttgacaaa gacatttaac 180
 cgaaaaaatg caccatata caatcaaggc agtttcgtta cctagattat ttacacgtac 240
 ctccaagggtg tatttgttac ttacatcaca cacatctcct tggctaaatt cacatacatg 300
 catactcaaa gcattntggg gcacaaaaan atgcacctgt gcacatcttg gcatttctaa 360
 tacctataca tacgcanact tcatgatgaa tcttgactat ctacacaata aggtgctaca 420
 tttcat 426

<210> 34783
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 34783

tgaaggcaaa ctggatgctg tgggtcaactt ggtaacccaa ctggccttga atcagaaatc 60

tgtacctgtc gcaaggggtt gtgggtttgtg ctccctctgt gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa acttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag gagagcaatt atgacctttc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctagc cttagatggc ccagccctca 300

gcaacaacaa cagcagcctg ctcccttctt ccaaaatgct gctggcccaa gcagaccata 360

cattctctca ccaatccaac aacagcaaca accccagaaa cagccaaca 409

<210> 34784

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34784

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ttaccctcgg aagcaaaaaa aaaggggaga gggaaaattt ccaatcaaag aggaagcaaa 120

aaaggagaga aggaaaattt ccaatccaag gaaaaaaga gaggaaaggg aattcccaat 180

caaagagtgg gagaaagcca aaagaaaaga aagaaaattc ccaatcaaag aatgggagaa 240

agaaaaaaga gaagaagaaa gggaagaaaa gtcccgatca aaaaaaata atatgcagaa 300

aggtcttttg accggacaat a 321

<210> 34785

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34785

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gagtacaaga ctactctaac cggctcatat acataagttt gtttaacaag ttcatttgta 120

aatgatccca aacttgcttc caattaggcc atcaaattaa ttaatcctta attaagcctg 180

cttatgtgag atccaactca gctatatccg ntttctttat attattttct gcctctttga 240

ttaaaaaacta aaatgtaaat aaaaaaacta acaatcaaaa aagacaatat tacttttctaa 300
 tcacatatgt tgcttttttaa tctggaagac acaaaacgga gagcanatga tttccatcca 360
 cttataacct accaatgttg gccttttattc agaccagcgg ctagtggcca ttggcttttaa 420
 nttaatcgta atataactca t 441

<210> 34786
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34786

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 atgaagctcc acagttgaaa ttgtggagag cttgtttcta tgactacttt cctaacttta 120
 aaactctggt gtcaatagag gaacgaattt ataggtccca gagttcgtta atagttgggt 180
 atttttctga gaaggttaat agttagttat taggtttgtt agtaattagc ttgcacggcg 240
 agctttttctc tataaaagac acgcatgagc accccttata taataatcat agtccttcta 300
 tctattgggt ttctacataa acatctcaga atttcacctt caacttaaac aattaaagat 360
 ttaagactag gaatctaana catggctaaa ttgacaagt ttttgagtat aaaattaacc 420
 gtcccaatgg aatgaaatat t 441

<210> 34787
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34787

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 agagcttttg ctgtgagaag actggcagag aacagagcga gaagaggaaa ccatctgaga 120
 gcatgagatg agtctgtgag tgattgtgag gttctagagg tggaggagac atccccacta 180
 cttgtatttc ttcaatcctt catTTTTTctc ttctctttgt tgtaaaggaa gcttcccaga 240
 tatggagagc taaatccttt ggtgggtctt ccttgtaggt acttgatgta aatacttgta 300
 tatctattta atgatgtttt atgtgttctc tgtgctatta gtacgtcatt ctagcgtgtt 360

<210> 34790
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34790

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 cgtgttggtt tcatcatcat tattctgttg aaaatgactg gagatacagc tgtgaacaaa 120
 attgatttaa ctttggactt tcgaagcctc ctttctttgt gacttttcat ttgggcaaca 180
 gtgggattat ttggcaaagg aggaacttcg tagtcctctt ctacntgttg ccatacctcg 240
 ttagcatcga aatatgcttc catnnngaca gcctatattn gatagnntag tccatcaaata 300
 acgggtacag aaatggtagt aaaggagggt tcagattcca tcttatgtgt ggtggctact 360
 tggngcgtgt aggtgtttgt gggttatata acagatctc 399

<210> 34791
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34791

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 tctagaggcg agctgcacgc actgctatct cagattctta cacctggccg acaattgtgg 120
 gagccacgat ggtatgaggt gaccttgact tcatttacgc acacatcagt acatgggtgtg 180
 tctgggtgaa catgaggtac agggcatcat atggaagact atgagcgagc ttatgcacct 240
 agttccttgc aaacgtgact cttgcgaccc attgttctag cgagaaaatg caccggttta 300
 ccatccatga agctcttttc cctagattat atacacgaac ctacacagtg agattatacg 360
 tacatacaca caattccttg gctaaagtca catacatgca tatctcaagc attatgtggc 420
 accacataat tgcactctgt gcacatgatt ggcatttata atacctatac ctacgcctac 480
 ttgatgatga atcttgacta tctacacaat atagtgtctac atttcatgct cttntttcaa 540
 ggtctn 546

<210> 34792

<211> 390
 <212> DNA
 <213> Glycine max

<400> 34792

gattttatgg aacgagttcg ataaagaaag tatcttctaa taggaagact tgaactcatt 60
 cattcctaatt cctgaccaaaa catgatcgta atgatcaaga tatgcgctcc taccctatca 120
 ttcactaaaa ctgtatttttc tacgaatata accacacaaa caagacaggg aagttcagag 180
 gtaataatgc ctgaggccaa aagaacagcg agtgtatata taatcatacc acatgactaa 240
 tcccaacaca ggggaatacat atggaggaca agatctgaag ttattactga cttccctaca 300
 taggtcaaga aataccagcc atgttggtta gaagagacac acttacaatg cagaggtatt 360
 gcactttcaa gaacagtaca ggtatcattc 390

<210> 34793
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 34793

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 tgcttgaatt caaataggta catatatata gagagtacaa aagagagaga gggaggagag 120
 aggctatgac agtgacaatg cactgttgcc ttctgaaaaa aaaggctacc aactaagtta 180
 ccaaacatgg ctaaattaca aggatattca aactccccc tcaagctgga gcatataaat 240
 catatgcacc aagcttggtta catatagtct gaatcttggg tcctcttaag gacttagtca 300
 aaatatccgc tggctgatca ttagaaccaa tgaactcagt gacaatctcc ttggacagaa 360
 gcttctctcg aatgaaatga caatcaatct ctatatgctt ggtcctctca tgga 414

<210> 34794
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34794

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 attgcctccc tcgcccaata ttatgaccag ttgttgaggt gcttcacctt tggggacttc 120

atcatgaatc atgatccatg tataattcaa aatagattat gattcactat tttcttcaca 360
tgatcaatcc ataagacaat aacaatcaaa cacttgtgac tgtaaaaagg agaaatt 417

<210> 34797
<211> 417
<212> DNA
<213> Glycine max

<400> 34797

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tatacattat tgtcacagta aacaagaatg ggatgttttt agagaaacag aagtgttgaa 120
atgaggatag tttgcagtat tacaatgaaa tgggtgcagt tttttacatg ggtctgatgc 180
atgcagtcca gaagtaaggt ttttgaatcc atgcattcat tacaacagat aatgaacaaa 240
agcttaccga acttcctcca atcaccaaca aagttgaata acttggatga taaacacagg 300
aatgcaattg gctcccatg gagctgaact catgaatcca ttctcctcct gaggtcatac 360
tccaaacott caccagattt ggactcacag atgccaaggc atcaccattc ccatccc 417

<210> 34798
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34798

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actttctgtg attggtttaa agatacaatc tttgcagatg aaaatgcttt agaaacttta 120
agaaaactag ctgacgggcc taaaagaaat gttataactt ggcaaggata cgacataaac 180
aagtattcat tttacacaaa atgggcccag ctttgccaga ctcacagaga cctttcttgg 240
gacgtatgta ccttgccatt taagttgttt ttaaaaaaac attaaacttg tataattcat 300
tctagcaatt tgaaacgcta ttgttttatt tttgcaggat gtgtggaaaa aggcaaaggc 360
catccagaaa tagaactg cccccacgt 390

<210> 34799
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34799

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agcttcctta tatggacagc attaattatc attgccaaaa tagtgcaaga ttacaaagga 60
agcaggcaca attgatcata gcaatataaa tcgcccattt ttaccattac tctatactct 120
ntttggcact gtgtttccgt tcttgtaaat aagataagaa aattccttct tcttgattct 180
tctttcacta aacatattaa acacgttaat taaacatgta ctcctatacc caactatgaa 240
aaaatatcgt atattatgtg ctccaaaact tccttggaat tttcgtanaa aagaagatta 300
taatagtaaa aaaaaaaaaac tccattatta gtctagtact acaaacaaaa ataatgtaat 360
aatagtaaaa caccaatcag gtaatgccaa ccattccaca cagcattttc cacaaa 416
```

<210> 34800

<211> 400

<212> DNA

<213> Glycine max

<400> 34800

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gatgctcgga aaaggaagct tggggactgt ttacagagcg gtgctcgatg acagctgcac 120
cgtggctgtg aagagactca aagacgctaa cccctgcgag agaaatgagt ttgaacagta 180
catggatggt gtagggaagc tcaagcacc caacattggt agactcagag cttattatta 240
cgctaaagaa gacaagcttc ttgtctatga ttatctgccc aatggaagct tgcattgctc 300
tcttcattgt tagttaaaact caaactcgag cgagctctga tgggacatga tccttcattg 360
taaactttta ttaatttgat aagcttgatt gtttatatat 400
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<210> 34801

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34801

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agcttgatat agtccttagt aatccanatt ctatatgtat gattgcatta natgagatga 60
tgtgcanagt tgagaatttt actttcaatt ggtgggattt aaacactcat aactgagaca 120
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cttatgtgct tgagagaaac actagccttg tgaggaatga agcatggtga atcttctgtg 180
atgcttgca tacttgctaa cctatcttat gtccaagtgc atcctttcat gcttttatta 240
tgggatcatg accaatgcga actagatagt tggccattgg aaatgatgaa atgttatgca 300
atcatctcat gtaatgcgat tggtagcttt gaaaccttgc catggatcta acttagtgta 360
gttagtttac ttttgctaga ggacaaacaa agctnntaaa ttggggggagt tggataactg 420
ctgtgcatag atata 435

<210> 34802
<211> 437
<212> DNA
<213> Glycine max

<400> 34802
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atcttaacgc aaaaatatca tactaatcac tctgatttag accaaactca tgtaatccat 120
ttatgcacac gcgcattgtg agaaaatgtc ctattactca tgtcaacata caagaacatt 180
ttccatacac ctatatacat tctgaacaag aaaacatact ttcatgctca aagtgttgcg 240
tcaaacttta cacctaattt atactctaaa catttgctat tacaactac ctacatacat 300
ttgaagtaca ccataaaaaa ttttattggt tcaactcatat ttatttatat gcatattgga 360
aagctaatta catctgcac aactagcat tcaaaaggaa attccatact atcatacatt 420
catttacgaa aataact 437

<210> 34803
<211> 431
<212> DNA
<213> Glycine max

<400> 34803
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tcaataattt aattgaaata agttatatcc ttcagaagta aaagtaactg tgtatgtaaa 120
ttcaagacaa aaatcaagga accttgatct ttcgagcata ttgattgaac ctggcaagt 180
caccggatcg cgcaagtagt ataaaacggg aagaaccgag tatcgaactc tcagggaact 240
tgtgtgactt agtaaagcta tatttagtga ataggtgtct agtatgaaaa gatacgtgtg 300

gactatgaac aggtatgtaa actaattatt aaaaaggaaa atcacgtgag aaatgatgtg 360
 taaagacaag tagacaacgc gttggtcttc ctattaggtg gctgatgtta taaggatatt 420
 ctctacttaa t 431

<210> 34804
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34804

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 tgtatgagat ggccctaggc ctataatgca ttttgaagca atgggatatg ccacattgtc 180
 ccagttctct tgctattaat gcctaaacgc gcgcccacca agtggttcggt gaaatgcctc 240
 aatggcatta gcgcgtggtt ttcgtaggga aacaacccat ggggtgtttt ggtttgcaca 300
 tattttctat ttttttggga catgcattca tttccgaaag ggctagagta attgccccac 360
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<210> 34805
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34805

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 tgtctccatc ccacctttgg atttgtgctt gcacattcta atgacaattc aattaatcaa 120
 agaaaagaaa tagcagttgg taaaaggagt tggattctaa aaacagacag aaattttttg 180
 tgatgacaca actgcaggca aaataaaatt tctgacctta tgcttttatc gtatctccat 240
 gcagtcactt atctagtaaa agattcattt cttattaatg gtgaaaatga tacatcacac 300
 tcaaaccatg tgaggctttt tttgggatgt gaatggagcc atgtctttgc cttacttngt 360
 caggagaatg ggacctttag ttcaatctag tgagggtgaaa gtaattgtga tggattacca 420
 tggaatctct cta 433

<210> 34806
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34806

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 ttactcaag cttaaagtga caggcagttg atcatccata ccttgtggta tactctcaaa 180
 gtgcagcatc aagaagtgga gttatgacaa ataatggcac tgttgaacaa gtttgtggca 240
 tttgccatga gccagttgaa gatgttgtgg taagttttttt tttttttttt tactttttgt 300
 taaactgttt ttctgattga attgtttcaa ttattttcctt cgttttcgat ctagttatat 360
 gtttccgaaa acagttttttt agctaattttt agtgtgttaa gtatctagtc attattgttt 420
 caggttacca cctg 434

<210> 34807
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34807

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 tattgttatt attatctgta cataactagn tgcgcacat tttttttttt aaggttttat 180
 ttggatatag aaaaaacat atagagtgtc tctgtgatct ngtgtattcg tatatgtcat 240
 accccatttt tgaccccggt ttttaattcctt tttttctcgc ttttaaccag aagttcgcat 300
 tcaatgaatt tcgcaggaga tttaaatact attntgttca aacgacgnnt tttattatta 360
 ttatttatat ttttttatta ttatttattt atattatata t 401

<210> 34808
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34808

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aatccttcaa aaccttattg atacattctg agaggttggt tgtcatgtgg ccatatcgac 180
atccttctct atcataagtc atcgtccatt tttcttttga aatgcgatca atccatgttg 240
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gagtgtangc tgcataaaat tagttatgaa taacaagttt aagtatatat canagttaaa 360
taaacgtgac catgaaatat gaaatcttac ccaatttctt caacatttct ttntgtttgg 420
cattattgaa tttccga 437
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<210> 34809
<211> 411
<212> DNA
<213> Glycine max

<400> 34809

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ttcggacaaa tcaaaaccca tgaccgactg atcaccaagg cacaacttta ccattgtgcc 180
agggcttgcc cttttatgtc attttacatt cattggctag ttttaacaact aattatatca 240
aacactttta ataaaaataa ctaactttca gttaaaaatt agcattagct tattacctaa 300
tcatttccaa acataaacta agcagaacac taaatcctcc aaaatctaaa acaacatat 360
gcccttagca gcttagcctt tggaaccaat aaacacaatg tgatgaatta t 411
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<210> 34810
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34810

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taaagcttca tccttattaa atgatttcaa ttttctttct ctttttaaaa tttccacaaa 120
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tatcatcatc atcatcactt tgatgattat tatggtttgt aaatctttta tccacttaac 180
 ttcaaaaata atttaaaaat ccatttctta agaatttggg ttctgcaaaa aattagtaat 240
 ttcttctcac ataacacggc tgtaattat ctattaacat ttgacgttta tctcatttat 300
 ttaatatatg ttctagcata accttctaac ggtgatgctc ttttgagagt tcttccgaat 360
 gatggtgaaa ggaactagtg aaatgtacct tcaaaagtac tntgacagca tataagaat 419

<210> 34811
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34811

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 cccactcctc acgttttggt ttttagggaa aaacaccata actaaacgcg ccgcaaggga 120
 tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cgcacgaaca 180
 gatgaaagcc gacatgtcgg ctctgaagga acaaatggcc tccatgatgg aggccatggt 240
 aagtatgaag cagctcatag agaagaacgc ggccaccgcc gccgctgtca gttcggcttg 300
 cgaagcagac ccgactctct tggcaactac gcaccatcct ccctcanata tagtaggacg 360
 gngaagggac acgctggggc acgatggcag ccctcacctg ggatacaacc gagcggctta 420
 cccttat 427

<210> 34812
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 34812

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 gcaagttgaa agccttgag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgc gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240
 cagacagtat gaatacagca agcatactgt attatgcaca tccgacggcc tttctcatga 300
 catctctgca gccatcacac cacaacacaa tggcatagtt gaaaggaaaa acaagacttt 360

tgcagaagct gctacgggtca tgcttcatgc caaagaactt ccctataatc tctgggct 418

<210> 34813
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34813

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 aagttgaata tcaactgaag caagcaatga agcccatgaa cccaatcat cttgatcaaa 120
 cggatcctta attgacacaa tngngaaattc ttttaacataa ttnttatata ngtgaccaag 180
 actctgagta gagtgaacat gagctccatc attnggctgt ttcattgaagt tcanatcata 240
 cttcccatcc ttagtgtaaa actctgaagc tgcaacatcc ataccaattn taatctgcac 300
 cattgttntt tatttccaga tcagcacaag tgaatattca nattatgcaa cagaaataat 360
 canaacttca ccacacttgc cagtataacc agccttctca atggcatcca cgagtaaaac 420

<210> 34814
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 34814

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 ttataataa actcaccctt cgcaattttt gtactgtgtg gttggtacct gtgatgatcg 120
 cgaacctttg ttcgtggaag cagaatgaca gcagtagagt atgagaagtg agattctttg 180
 gtggagccac caggctgacg tgatgaagtt gggattattt tgggagagag ttgtgttttg 240
 ttaatcaact cctccatagt tggttccata attcttttgt tgaattgagg atgcaaata 300
 caaatttaat tatatgtatg aacaaattta ctttccatta tgtgaatgat tgagttacta 360
 tacctatata tatatatata tatatatata tatatatata tagata 406

<210> 34815
 <211> 420
 <212> DNA
 <213> Glycine max

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 cctttcctct atttaggcac acctatntgg gctaaccctc tcagccagct ggtgtgggag 300
 cctatcatca ctagattcaa gtcaaaatta gccaaatggg ctcaaaaaat atatccatgg 360
 ctgggaagat actctgataa ttctgtctca atgcctccaa ttatctctct cttttta 417

<210> 34818
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34818

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 acttcatttt atccttactt tccatcacca ccaccaatga attttatgca aaataatcag 120
 accccttgca ctgaaaattc tcaaaacttt ccttcaatgc cacaacaca attcttccat 180
 gtttcgtaac cctcccaata gttctagtga tccacaaact ccttccaatg atgacgttga 240
 aacgcaattt caacaatttt ctactcaact tgggctagaa aacatcacat tggaacgagg 300
 agagtattct acaaaaaaaaa tattgtgact tttcttntt ttattgaaga ggatacacat 360
 cttattgggtt tgtgacttaa tgtctcaatg gatccaattg ttggtgatgg tcaagca 417

<210> 34819
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34819

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 acccgtgcag gtgtgggctc aggaggagca gcctcgttgg gtctcaccaa tggagggttga 120
 gctccaggcc aagctacttg ctcaagaaaa tgctccatag gtatgattgg cctgtggtga 180
 gccaatctc acaggctgtg catgataata aattgtgctc ggaataagct ttgtagcata 240
 gggactaagg tttgcgagct ttggacatcc ggtcctatgg ttgctgacgg aggagctgga 300
 gtagatgatg aagggatgtc atctgctcta gcccttntc tcgataccat ctgtaacta 359

<210> 34820
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34820

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 tgattcaaga cttcaaaatc gagcatcaag aatccaatcc aagattcaag attgaagaga 120
 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa gattttttca 180
 aatttttctca aatttttctaa gttaccagag tgattactct ttggtaatcg attaacagtt 240
 ggcagtaatc gattactagt gaccagtttg gttttcaaaa tatttttcaa tggtttgcaa 300
 cgttccaaaa tgattttcaa atagtggaat cgattacact atattagtaa tcgattacca 360
 gtgaatctga atggtggaat tcctatccta ttgtgaagag tcacaacttt tcataaaata 420
 cattg 425

<210> 34821
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 34821

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 ggatcatttt caagggtccaa cgccttaaaa tgatcacctc tttaaagtaaa aaagaatcac 120
 ttgataagaa agaactacgt aggtctgatt tcctcacgcg aattgaggaa tacgtaggag 180
 caaagggaaa cacccttgtc gaccacaaaa agagaaaaat ataaaaaggg tataaaggat 240
 ataaagacat aaaaagggga acataaaaaa tcaaagtcac gtttgcacat tcgattaaag 300
 gctgccgtcc cttgggacgg acgtgtggtg tgctaatacc ttccctgtgc gtaaatacaa 360
 ctcccgaacc ttttcaacta aaagttcgta gatcgcgctc cttcccgggt ttctga 416

<210> 34822
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34822

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ccatatcaga aattagtgcg gtataccttt gtgttctaag caatgatctt gtttgaacat 120
gatctactag atcaccaata atttgacttt ctagatgatt tcttctcatg atgcatctag 180
tgggttcttt tacttggttct tgaattcttg ttgagtagat gcttgtgttt ctagattttg 240
tctggacgag ctagttgcta tagagacaag gagtgggtag ttttattcct tgggaacaaa 300
gaggatcgag cctcatcatc atcagatagt gagtccacaa gcgacactcc tatctctcct 360
ctccataaac gtgttttctc tacacaanca tgcccaccat tcatttagag agattc 416

<210> 34823
<211> 421
<212> DNA
<213> Glycine max

<400> 34823
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actcaatcct ggaaactaat ttttctcaga agctatggta gatcaccatt aagagaacca 120
tgttccacca tcaaatttaa agttttccat acatttttca aaagaaatat taagtgcata 180
cacttttcaa tctagtcttt tgtcaccata aaccagtaa aatattactt ccataatctc 240
cattaaagct aaaataatag ttgataaaca ccacattaag caatcataaa aaccagcatt 300
cccacctcca atgctccaac cgttgaaaaa tctcttcaaa gctctccaaa attatgcaca 360
acttcacaga tcaaaaaatc caaaacaagg ctaaattatg taagtgtgaa ttatttataa 420
t 421

<210> 34824
<211> 399
<212> DNA
<213> Glycine max

<400> 34824
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gtcttcattt tgtactatct ttgtgcgatt cacttttctc tctccatgaa tattatttca 120
caaatcccaa cgggtggcgt gtgaagaatt gaattgccaa ccaggtgcct aaatttcaca 180
atgatccaac ggtaactag tttgtatcgt acttttattg gacaggtttc gagtctctac 240

gggaaaagag aaagctacaa tgcgaaggac atttctctta tctccaacat ttttttttca 300
 caatttccaa cgggtgagaat gctcataaat gagttgcgaa cctgatgctg aaatatctcg 360
 atgatccaac agttaacaag ttcgagattg tcaattttac 399

<210> 34825
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34825

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 ctctttttta cttttcttat tatgcttata ttatcttatt cttocacctc tttctcttct 180
 aggtttcttt accagggcta agccagcaac caacattgaa ttcaacgata gccacaggtc 240
 tcttttattt ttcatttaat gcttcgcgaa cgcaatcttt tccattttccc tgcccctgat 300
 tcttttcttc aatgtattgt agtcagcgag ctgttaaaac tgcccttggtg tgaactntct 360
 tgtttttcac tcaagtttga gtatggtagc ttctctatca tgtatgt 407

<210> 34826
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34826

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 aggtgtttca tatgtatatt ttancgcttg cagataaaatn ttcaatttcg gctaaagctt 120
 ccttcaatgc aataatgagg atgaggtgga taataaacia aatatgcgac atgtaacgga 180
 gaacatggag tctatgcatt gatttaacac cttgttgtaa cttattcatt aacttaaagt 240
 gagtattttc attttgtatg ctgatacacg aatga 275

<210> 34827
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34827

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gcctggccag gagaccagcc ttcttcctct ggagggggtg gtgncnncac agcccacgag 120
cctgtgactg aggagccccc aacaccaaca ccatcaccaa cagctacaga gaaggagact 180
actccagctc agacccccaca accatctcca ccatctgcac ctgctcctga ggagacttag 240
ccatcagcat tggatcttaa tgaagaccag ccacaggtgg agcaggacgt ttaaattttc 300
tgcactatga aca 313

<210> 34828
<211> 402
<212> DNA
<213> Glycine max

<400> 34828
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gtatcctatc tgcttcaact ccagttcagt tagctcttct aaagccacac tttcttcctt 120
ttaatcttct agagtctggt ctatttcattc aaatccttcc tcaccttggc ttgcatctat 180
catttcagat ggagtatgat tggtcgaatt agccaaaatg attgattttt ctattatgac 240
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ccttttcccc tagctttcat atttgcaatc attgcaagtt tctgcttcat tttgttcaca 360
gccatagccc gttgcaatct tctcttctgt gtgcgagtta at 402

<210> 34829
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34829

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tatcatacat cggagcatgt gcttgctgaa aagactcttg tccaaggatc cgaatcatat 180
cctccaagtg atctccatt tctacatcaa atgggtttaga ttggaaccca ctctacatgt 240

ctgttaattc actatgccat atccatgcta tataatttct ctttaattgca tcacacaaca 300
aatgttcccg tatgtcatcg acttttttggc gtctcctgtt caaacaattt atgcatggac 360
aaaaaaactt cccattntca ttcggttaac ttctttctg 399

<210> 34830
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34830

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tattccctag tggatggtgc ctcccctctc ctcttctcct ttgccttcca ctgcatgtcc 120
atggtggaag accaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa 180
gatccacaag caagcttcca ttaataccct tggggggtag gattgcatca tgatgtgact 240
cctctagctt tacacaaagc tatgattaat gctggaaatc caagcctaga ggagtcacgc 300
tgagctataa tagagatctg gtgaaagatg aggtaacca nattcatgtc catcttcata 360
attattccat agattaact 379

<210> 34831
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34831

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catttctcca agtatgtttg gctctatcca ttgaaattaa aatctgatgt ttcaataatt 180
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tttgacaatg gaggcgaatt tattaaactt caaccatttt tacaaaatca tggcatctct 300
cacatgacaa cccacactca taccctgaa cataatggta tttctaaacg tanacaccgt 360
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<210> 34832
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34832

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 aggtcacttt aacgctctaa atgttttttt tgttgatgaa aattttttat cttctatctt 120
 aaatttctat caacataaaa ggaagatgga ttctgatact ggccttttaa taaattcccc 180
 aattatacct caccagccct agtgcacac atgggtctca tgtacgcttc tttttcactt 240
 tcacgggcta agtacatgtt cctccacatg acaaattctg tgtaaataag tatgacttat 300
 ataaatgtta accattacaa gagacaatat tagagcactt gtctaaataa gaaactactt 360
 ggcaagccat ggcaatctaa 380

<210> 34833
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34833

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 cacatctttt cataaaatgc atttgtgaat cgattacatg gttatggtaa tcaattacta 180
 gtgacaagtt ctgaataaaa agtcaagaga tgtcactctt ccaatgggtt tctcaagatt 240
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 caagaccttg actttgcatt caaataactt ttacaactt ttagaatctc ttgaacaact 360
 tttgagaaat cttganacct ttacaactca tctttcttct tctt 404

<210> 34834
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34834

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aaattggatg agggcaagag tgatttcgaa aatctgcact attatgcaga attttgctgt 120
 tgaaatgtgc agcagaattt tgtgcttgtg cagaaaatgc ttatgcatgg ctgggttgtg 180
 aaagggttgt acatattggg ttcttgacgt tntctaggag atcccaacgg tcaaaatgta 240
 gacttatgta ctagggacct ccagtaaaat gttcgagtcg atccaatggt gattgaattg 300
 gaacanagag aatgttactg ggggtattgt gtanggaaan gtgtggtatt gggtttgtgt 360
 tttgggcaga gttttctgct tctgccccgt ttttcttga ttttgatagt tcatgatgtg 420
 tggatgttga at 432

<210> 34835
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34835

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 tagctgtgac gctctacact aggatgctac tgtgcaaaga gagtanggac aacaaacact 120
 tttttagtga tatcttcata gaaatataat ttgtcaatgt cacataatgc tcaaagttga 180
 ctttcagcgt acaaatcgaa agaaacatta acattataga acaaaaagaa ttgaaaattt 240
 caagacaaga taatttagat cttctctttt gtgtgctaag gcacaagatg ttactanac 300
 ctatggacgc tactctttta tgattgtttt tagtacttga ggatcgagta attattccat 360
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<210> 34836
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34836

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 tatatctata cgctacaact ccgatcagat aactctttta agcacacttg ttccctatag 120
 acatacatta aattgataag atattcttta ttgataggaa taaaaaata tattatttaa 180
 aatttataat aactcaccta tcaatttatc atatttgcac atgtacatta attatagacc 240

gtaaaacacc aagtatatat ggcctaagaa aatgcttcat gtcatatatt aaataaatct 300
 tttcatacct gaaaaataga tcattcttaa attactacct acgaattcat tntttgtcaa 360
 atacctactt gaaaaaaaaa tttaatcctt cggntaagtg atgacgtgac agaataccac 420
 atcattacgt ccaatcactg acact 445

<210> 34837
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34837

agctntgtgg atttggctctt cgccggcgaa aggatcgaag tgggtctaan aagaggaaaa 60
 tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
 atgagaagga gggagaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
 caacccaaca atgtcattac tcaaccaata gcaacccttc tccttaccac ccaccagtt 240
 atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctcanacgca 300
 aacggtgctt atcgtggagg agttccggng cattccattg agcattgtat ggccctgaag 360
 cataaggtgc anagtctaata tgatgoggga t 391

<210> 34838 ~~34837~~
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34838

ttggctggag gtggattctc ttttagtctt caaggctttt aatgttatca gtgtggctcc 60
 ttaggattta agaaatgtct ggatgaatac tgtattctat tgtggccan atggagtttc 120
 gtgtctccca tattttccga gatagtaatg tatgcattga tcatttggct aactatgggtg 180
 taaaattgct ctattatgtg ggaagataaa cttttgattt ggatgaagtg tacaagggga 240
 gatacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg gatggacaag 300
 cctttgagag aaaccatgat aacaaagtga agaagaaaat gaagttttct aatattgtag 360
 aagtgttggg agatacttc 379

<210> 34839
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 34839

agcttgccctc atagaggtcc aggaaggaca aggcggccga aggaactagt tccgccccgg 60
 agtacgacag tcaccgcttt aggagcggtg tacatcagca gcgcttcgaa gccatcaagg 120
 gatggtcggtt tctccgggag cgacgcgtcc agctcagggg cgacgagtat actgatttcc 180
 aggaggaaat atggcgccgg cggtgggcac cactgggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tacgccaatg cttggccaac agaggaaggc gtgcgtgaca 300
 tgaggctctg gggttatgggt cagtggatcc cgttcgatgc cgacgctatc agccagctcc 360
 tgggatatcc gatg 374

<210> 34840
 <211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34840

tgcacattac tgctntatag aagaggagca agatggtaat ccgtgggtacc atgacatcaa 60
 gcggtacata gagtgtgaagg agtatccaca aggggcttct ggcaacgaca agaggatggt 120
 gcagagggtg gaaactagtt tcttttctaag tgggggtatc atgatgtagc tccattggag 180
 cttgttggcc ttggatcttc ttcacatg gagtcctttg cttcttgaat ttt 233

<210> 34841
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34841

agcttgtata taggagacct tcaatcctag aacgtaacgt ggcagacaaa agtgggcagt 60
 taacttgaat gaccattatt ttcaatgcgg aaagtattat gttcttcact atccatgttc 120
 acacattatt gctgcttgtg gttacgtgaa catgaattac ttccaatatg tagatgttgt 180

ttacacaaat gagcacatcc taaaagctta ttccgcgcaa tgggtggcctc ttgtgaatga 240
 agcggttatt cctccttctg atgagcaatg gacacttata cctgatccaa gtacaattcg 300
 tgcgaaaggt cgggtcaaat caacaaggat aaggaatgag atggattggc tggaaccatc 360
 tgagcaccga caaaaatgta gtatatgtgg aagagaacga cacaacatac gtcgatgtcc 420
 aatg 424

<210> 34842
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34842

tgtaagaagt atagcaatat aggagattgt tcttggttga ttgataagga cttagattnt 60
 aatcatgggt taaggagttg tacaacagat ggagatatat tatacttagt gagggatgct 120
 ttggaaaatg agaatgagat aaacgtttat tttcataatg aagtagatcc aattttagaa 180
 gaagattcac agatgttgta cttggaatgt catccaattc cagaagttgt tgataatgag 240
 gatgatttag atgatgtacc tattcctggc catgagtaag ggaagtttta attcatctat 300
 acttggtcca acatggatac cataattntg aataagtttg gaatttaatg tttatgatta 360
 attcatataa tttatttgta cttgatcac 389

<210> 34843
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34843

agcttggtgt cttgcctcac tcaccgnctt tttggttgca tttctagcta ttttatactt 60
 atcccaagtt tcacaatttc tacatctaga ccactccttg aaacactcct tttttactct 120
 aactttgctc tgaacatttt cattccacca ccaagattct ttacccttag gtccaaaacc 180
 tctagattca cccaacgtct ctttagccac ttttaataatc tgttatctcc caaattttga 240
 catgcgctg aaaagttatg agcattc 267

<210> 34844

<211> 189
<212> DNA
<213> Glycine max

<400> 34844

tgatattgca caacggaagc actcgagaca tgcgaatgtg tcattactat tcaactcgat 60
gtgcgattcg cgggcataac tcacttagat gctcggaatt gtgcatcgga agctctcgag 120
aaagtcgaac ggtcataact ttccacacgg atgtgcgaat tctgggcata atatatagag 180
acgctcgat 189

<210> 34845
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34845

cggctccata ngacggaaga aatgtctgga tgaatactgt attctatagc ggcccaaagt 60
gagtttctgtg tctcccatat ttcccgagat agtaatgcat gcaccgatca tttggctaac 120
catggtgtag aattgtctta ttatgtggga agataaactc tgaatctgg 169

<210> 34846
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34846

agctntgacc ctttggcaa ggcacccata ttgcaactcc ttgtagaacc catccaagta 60
gaacccaact tctctagtcc aatggtcaaa agatgttagc atttgatgcc caagtaaaag 120
tttcttccc tcaaacctta tcaatctcat tctttctcac aacaagttac atatggtagg 180
aggaatccta aaacaaatgt atatagcaaa ttagcactag cctatcccct aggtctgcat 240
atgaatataa ctactgatat aaagatgaca tcggatcana catgcctcag actaccatc 300
tgtaatgaag tcaaaaagaa aaatttcatg ttttacttga acacaaaat gcctaacaga 360
gaacanaagg tccaattagt caactatcct aaacactaaa 400

<210> 34847

<211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34847

ntntcctatt atggaaaatt ccgctttgtt agctccgtta ggattctagg atgtgtctca 60
 atctagtatg gctaatacatt ctccatgtat acttggtctc cattctcctt taccatggca 120
 agcctttgtg aaataacttc gatgaanaga aaaaggtctt ggatcgagtg gcctcaaaat 180
 aattaagaag ggggggttga attaattatt cataaacctt tactaattaa aaattactct 240
 tttaaggctt ttactaaatt gctaagagaa tgaggagtag aagagaaact taacagaaag 300
 taaaagcggg aattacatgc acagcagaaa gtaaaagagt atggaagaaa gagacaaaca 360
 cacaagagtt tttatact 378

<210> 34848
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34848

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 tcctgtaagc ttgggttaag gattgattgt attgagctat agcttgactc tcgcctgtaa 120
 atgatgcaac ctgcattgga ggaatgtgta tcttttatat tctactgtct acaaacatgt 180
 aaaagaacaa gattgacaag ttccattatg aagattggca tacttgtcga attgaatcaa 240
 ttgtgcgctc tactacagtt gctgcttcag aataagctgc ttgtccatgg gatggcaact 300
 ttgcaaaagt aaagctcatc atggaaccag agattaccag aggtggaata caagatagaa 360
 ggacaagggt tagaagccaa cccttgatga atgctatgac taaacgtcct aaaaaacatg 420
 ccaca 425

<210> 34849
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 34849

tgtaattggc cttgttgaca catgtgagga tcatgtggac ctttgttttg taattgtcca 60
 tgtggatttg catgaaatat agtatgtgat tatcaatttg gggaaatggg attaagggtt 120
 acgaagaatg aaattgggtc ttcttatttt tgtttttgtg gcagttaaaa gttgccagta 180
 tctaaatatt ataaatgggtg ttaactttta attgatttga atcaatttaa atagataaag 240
 gattaaaaatg aattttttta aagataaata aataaattaa atctaaaaat aaggtaaaga 300
 aaaaaaaact atatgacaat tcttaattta ggttcccaac actaataaat taagagcata 360
 tttggattg 369

<210> 34850
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34850

agcttgaaat tgaacaacgg aagctctcga gaaaatcgag tggtcataaa ttntcacaca 60
 gatgtccgat tcgggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataatttatac 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
 cgcaaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgagaaa ttcgaatggt cataaagttt cacacggatg gtcgatttcg ggacataata 360
 tatcaagaca atcgaaattg aacaac 386

<210> 34851
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34851

tgccgccacg gagttntccg actatgctct tgtgtggtgg atctagctac aaaaggagag 60
 agcaaganat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120
 gcggtatgtt ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccba 180
 aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatn tgtgagctgc acgagtttgt tgaaatggat gattngcttc acaaagcaat 360
cccagtggag caacaat 377

<210> 34852
<211> 413
<212> DNA
<213> Glycine max

<400> 34852
agaggacgtg agaagacatg ctctatgatg catcatgaca cgtcctatag taggctcttc 60
agaatgcatt gttatgcgtt tatgatgggtt agaatagctg atcatgaata ggccacgaaa 120
atgatttgaa taggtacaac ctctataact actcgacaac catcgtgagc gttacgacct 180
ctgatctcca ttcgaaactt actattgggg agcgcatacc caaccattgt catcgaccac 240
accaaacatt gttgcgaaac gatgagactg tacacatatt cctgcccggc aatttaagca 300
tagaccagtc atatccttgc acaaactctg acacccttgg aagtgatata tcgtttgcgt 360
attactcaca cctatagttg taatacaata acagatcacc gttatcgata act 413

<210> 34853
<211> 284
<212> DNA
<213> Glycine max

<400> 34853
actagtgcgc ctcttgagca tcttgtatat tagcgagctc tgtcactctt acgagttaaa 60
cagtatcgct ggcacaattt gcaactgaact tatatgttca actgctagcg actccaccta 120
ttacgggact gactctgaca ttagagtcac aagtaattgt agtgagaatt tgctcatagc 180
ctatgaaatc aataacaagc atgggaagat cttacggtagc tgaatcgcac atacgagtca 240
gaacttattg tcattggtaa tttctatgag cttctgattt ccat 284

<210> 34854
<211> 203
<212> DNA
<213> Glycine max

<400> 34854

agcttgctgt ctatctaaac taagcaagca gggctgcttc ctccagaagc aacagactac 60
 tggaggaatc gtctgtgagg cccaagtggg catgattgct atttgcaccc ccattttttac 120
 taaatgcacc cccttctatt attttggtta ttctttttcc gtaacgatac caaacttgcc 180
 gactttcgta acgatactta ttt 203

<210> 34855
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34855

gagcttgngc atccctttgg tatggccttt gatacgccag cggtgaccgt gctccacgca 60
 taatcttncc accattctct atgagtgact atttcatgat acgcttaatc acgtacgatg 120
 gatgccgtgc cggtagaaca caacagcttt actacttta tgctgactcg gggggacaca 180
 tcattataga cctatttata atattactta cgcttatctg cttaatgtat ggatctcgca 240
 annannccac caccnagcat acattactct tttctttgtc attattgacg agcattacta 300
 tttctttggt accacaccac aattagt 327

<210> 34856
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34856

ntttaatoga tacattgcgt tagctatacc agactcaatc ttttgcccta tcttgtaaca 60
 ccattgtaaa ttgtgcacac gacgatattt tgctatatga tatctactca gcanagtgga 120
 tttcacgcaa tacataggta agaggtggct gactctacac cgcgtgcgat cctgagcacc 180
 tgcaactgatt agcgtgctac aaccgagatg cggacattct atcgttactc gctatgagag 240
 atgttcgatg gaaagaaaac acgactcgga gggtgcaacg ctattacgac ctgttgatca 300
 cggaatatgt ggacgttgcc acataaggac gatatatagg agtggagaag tgatttttga 360
 aacgtattgc agtatgaatg ccaagaaata ctccattgag tccttactga tagggaaccc 420
 tttaaagtgg agagctcaca ttgatgact agatgaacac tgtcct 466

<210> 34857
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34857

attattgatg acatcgntac tacanggcga gttgatctca gtcgctgcg agccgataca 60
 gtaaanctgc ctgcggcatg cagcattggt atggaagaca gtgagaaaac aacaagtgga 120
 gagtattgat tcgcatgact tcagatcatg agcaataata tattgttagg aacaaaagcc 180
 aaggacatac tctgttatat atgatggcgg acaagagcac ctgcgtcatt tggttaatgt 240
 gacgtctaaa tgcgtcaaaa ctatatggat tgaaccctcg cacttatttt catgtcatga 300
 tgagtgaatg cattcacttg agggctctat actgatctca gatgatacat acccgcatgt 360
 cctatgtcac tcaatctatt taaatattgg acgatcactg cctttcacat cgctgatgaa 420
 gtgagcaaca ttatgcacta ggctagatgc tgaccacggg aaggctaaga cattcgttca 480
 caatacagca ccacg 495

<210> 34858
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34858

tgatcatggc gcggttgaca catgtgatga tgcattggac cttggcttgt aattgagata 60
 gcagaatatg atgagccaat ggttgataca tggacggaga tgaaaaagat catgaggaag 120
 cggtatgttc cggctagtta ctcaaggac ttgaaattca agctccaaaa actaaccgga 180
 ggcaacaagg gggttgagga gtatttcaag gaaatggatg tgctcatgat tcaagcaaat 240
 attgaagatg atgatgatgt aactatggct cgatttctta atggntcgac taatgatatc 300
 cgagatattg atgagctgca tgagtttgtt gaaatggatg atctgcttca caaagcaatc 360
 caagtggagc aacaa 375

<210> 34859
 <211> 196
 <212> DNA

<213> Glycine max

<400> 34859

atacaataca caagctagcc gccacggagt ttgccgacta tgctcttgcg tgggtggatct 60
tgcttctaata tgagagagca cgacatgaag agccaatgag tgatacatgg actgacaaga 120
actagatcat gaggaaccgg tatgtatcgg atagttactc aagggacttg aaatttaagc 180
tcctaaaact aacca 196

<210> 34860

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34860

agcttccatc tatgaagaaa ttcaagagga tgttcaaaga gattcaaagg atgtaaaaga 60
ttgtaattaa tgtcttttaa atgcaagtta tggctcttgct tttatagact cttcatgtct 120
ggtcaagaaa atcattagaa gagttataac ctttagaaaa acttgaaaac cattggaagt 180
gttacatctt ttgattttta ttcaaaactt atcattggta atcgattacc aaatcattgt 240
aatcgattac acaaagcatt tttgtgaaag gatgtgactc ttcacatttt catgtctggg 300
caataaaatc attagaagag ttataacctt tagaaaaact tgaaaaccat tggaagtgt 360
catcttttga ttttattcaa acttatattg gaatcgatac cnatcattga atcgatac 418

<210> 34861

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34861

gttgggtgcat agaagaagaa gaagttcaga gagattcaaa gcttgtaaag gattgatcaa 60
atgaatgtga aaagtatatt gaaaatcaaa tcaaagcctt acttttatag actcttcatg 120
tctggccaag aagaccattt agaagagtta taacttttag aataacttaa aaccaatttg 180
aaaaagtcaa aaaccttttg aagagttaca tattttttat ttattcagag acaaactg 240
gtaatcgatt accatattag tgtaatcgat tacacagagc ttttgtgtga aaagatgtga 300

ctcttcatat ttgaatttga aattcaacgt tcaaaggcac tggtaatoga ttaccaaacc 360
attggaattg attacagctn tgtgaaaata attggaac 398

<210> 34862
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34862

agcttgccgt ctagctcgcc taggcaagca aggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttttgagggg cccaagtggg catgattgct atttgcaccc ccatttttac 120
taaattgcacc cccttctatt tttttggtaa ttctttttcc gtaacgttac gaaacttcac 180
gactttcgta acgatactta tttccttcgg caaggttacg aatccttacg gattatgtat 240
tttctctttt ttagcttttg aagaagttac ggaaacttac ggattgcgca aaaacacctc 300
ttttcgactt ccgccacatt acggaattac acggatcgcg caagcctgct tccttttagat 360
ttctgagacg tctcgggact tcattttattg tgcaacanag gacgccaagt atctc 415

<210> 34863
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34863

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tgtgtatatg tgtattatat tcgntgntct ggttggtggt tgtattacgt tntgtgcaga 120
agaaaaaaga agaagtagag atgagagtcg tcatcacgga aagggcagga cggacgaaat 180
cagtgntcta tctttgcttt cctcttatca tagatgagag gtaagtaaag aggggcaact 240
gtcataccct aatttcgtcc ggngattatt acttgatgac atgcaacctt tggtttagccg 300
ctttgagata cttggcgctc ttttgtgcac gataaatgaa gtcccgagac gtctcagaaa 360
tctaaaggaa gcaagcttgc gcgatccatg anattccgta atgtggcgga aattgaaaag 420
aggtgt 426

<210> 34864

<211> 410
 <212> DNA
 <213> Glycine max
 <400> 34864

agcttttcgtc ttgttacagc taaaggggta ataatgttaa tcatgcacaa tgaaagctac 60
 gttagaaaag ctagttgaat tattatttca tgaaacgctt cagcatgtac atggctgctg 120
 tgccagtaaa atacaacaac tttacgactt taaagttgta actgaagcac acctaattaa 180
 agacctatat aaacatatta attaccttat ctgtttaatg ttttgatcta ataattagct 240
 caacacagat caaacatagt cctccccctt gtcattcttg acgatctttc ccttccatt 300
 attattccca caaacaagt ctaggttata aagaatcggg aacattgcc aagaagacaa 360
 gaaaaccaac acaggcccaa agatccaaag cagaagaggg agtgctgagt 410

<210> 34865
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34865

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 gttgagagac aaatgtggng aaaagttagg ctggttcttg aagaatccat gccatatgga 120
 tgctacagag tgaaaggggac ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
 ttggaatatg atttggtggt ttggaaggaga accgtaaaag agggtgcaag agttttccaa 240
 cgtgttccag aggcttcatg tgttactttg tcaacatatt ggtcatattc atcggactac 300
 agcttttctc ttttaagtaat ggtttgggca atttcacact aagttgggat taagtccaat 360
 atcaatacca tacctactag ntacgttntc ggctattgct tectgcacct cttttatggg 420
 ttctggaatg gtcaatcccg 440

<210> 34866
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34866

agcttctctc tctaactctc actctcactt agagaagggg ggaacactaa taggcacgca 60
 tgctttgcat tgggtgaaaac ggataacaaa ggattacttc tttgtgtatt acccatgtaa 120
 aaaagtcaac tttttgatga tacattcatc caaaatttca ttgacaattt cctccaacta 180
 cgtcagcaac aaacatagga aatTTTTTgt tgacaaatcc gtccacagat gccacgcaga 240
 acattccatt tgctttgaca gagatattta atgtttggac taaattgtcg cactttcctt 300
 aaatccaagg acaattnttt tttttatctt ttcagtacta tagtggttaac tcattacaaa 360
 ttcanggatt gaagtgacta atttatactt aat 393

<210> 34867
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34867
 atttgagta gatacatggg accaactcat tttatttcat aaaagaaatc atatctagtc 60
 aaggtctgag agaccataca agtttctctaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatcgct tggccttagc taacaatcgg agaaggtctt gactcccgct caaggtaaga 240
 gcaaaccgat ccatccacat ggttgcctct tgggtgtaaag agtcgatcac cttactcta 300
 gcctcttttt ccgcatatac ttgggcatac tcatacgca ttctatgctc gtgggcccgtg 360
 gctagacca actcttcttg gtacttggcg atgat 395

<210> 34868
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34868

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 agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
 cacatattca cataaatctc atttatgatt acttattatg cacatacctg tcttccatcc 180
 aagcaacact gtacagatca cccaagcagg ttgaatatc tgggggagga ctaggatact 240
 cccaggggca atatgttccc caactacttt cttctgcatt ggaagctgtg gttgcataaa 300

tattgatatc ttcgggaaga agaccttcaa agatactccc agattcacat gcctncagat 360
 aaaatacctg cattaccatc atgt 384

<210> 34869
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34869

ntgcgngtg agcttaccg catgtctggc tctagtcacg gtgcacatct ccactttca 60
 tatcttttgc ttcgtagcca tgaccacat ctccaacca tcaccacctc caattggtag 120
 ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
 ttacgataag tgtgcttggtg tccttaccct gngtttgtaa acttatccct aaccaaatta 240
 ataccaaca atacagggga caagattggg tggactagac tntgtagtat tatatatata 300
 tatataatat tntataaact attcttttaa gtattgatta attaacanaa ttgtgtcaca 360
 ttatataagg aaaaaatatt atatataaat atttattaat aacataaaca ctatgtaata 420

<210> 34870
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34870

tagtaagaag atttcctagt ttatcactaa catattacta tttgtgttaa ccaatctata 60
 tacaccattg ctaacttaga aattggtctg aaaatcagct tctagaagt tataaatatt 120
 ttaaaattaa aaaaaatggt ataatcatat aaatatgaac taaaaaaaca tattgtctcc 180
 attttgaaat aattatagat aaatgttaac aacacactat tacttgatga atttcctaca 240
 acttttaata acaataataa aaaaaagagc tggcctaagc tttctagtgg aactcaagaa 300
 attcacctat taataaagag cttgatgaac agtgbgcatg anagaatggt tatcatataa 360
 gatttcactg aaggattaag aacaatcaat gaatactatc agttntaaag aaaacattac 420
 tgaagtagta gtccattgaa ctatatta 448

<210> 34871
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 34871

agcttttgat gcactagtgc gaaggtatgt atcaacctgg tcttgaaaat caagatctca 60
 tgagcccttt caagaatgga tgataaatga taattctgaa ttgggaaaca taatattgca 120
 tatcatgact acgtgaatgg cttcccatgg ccaccaagat catacacttg cagcttttgt 180
 acaaaggagt ttaagtctgc tcatgcactt ggtggacaca tgaatgttca taggacggat 240
 agaccaaggt tgaggcagtc atcaccctca attcatgaag atcaaggaca agctgctgga 300
 cctatatagc acaaccttaa tcttgaccct aacaacaact cactctcatg atgatgggtg 360
 c 361

<210> 34872
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34872

tgtgatagtc ataatgtaga cttctcttag aaggagggtc cttttactca gggagcgttt 60
 ttgcgaacaa cttatatgta catagtgaat aagtacttat catataagca ctaacgtata 120
 agctatgtta taagttattc agccagatat ctgagatgag atgaatgtgg cttatggaca 180
 catcataagc taattttata agttctctca aacacttaca gaagtgcctg tgttataagt 240
 tcaaataaggc tatcaataag cattttccaa tgcataattat aatttgacct ttnttgagtg 300
 gatcaattac aggaaggcca gctccactgt ggaggagggt gctagaacat gaatcataac 360
 tatgcttaaa 370

<210> 34873
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 34873

agcttaacaa tgttctgtcg tcgagagtca gacgaggcgt ctacctcact cttgacggtc 60

tttatactat ccacgtacta ttctgtttga tcacactgca tccttctaac agctaaaatg 120
 tgacctcact tcatgtgtgc tttatataca ttgcccaacg ctccttacgc aatgcaatac 180
 tgtgtggtaa agtgattgcg agcttcgatt atgtctccat acacaactct cccattgaag 240
 taccaacatg aaaatggata tg 262

<210> 34874
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 34874

tgatggctag tgtaaaccatc tactatacat acaaggcagg attgatatcg cacgtgacgc 60
 tactggagga acactcatat gttgaggtgt gcatagcagg cattacattc gttgctatgg 120
 atgtatgtac tcctggacta cgttatagct gggagacata cagcttttca cccacccttc 180
 caccattcaa aacgctgttt agagtatttt ctacacctga gtttagtata actatatata 240
 cttgaatacc acacccatth atagagcgtt ctttagagcc tgcattgatga tgtatattat 300
 cagttacgaa agatga 316

<210> 34875
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34875

caagacttat tccctagtgg atggcgccctc ctctcccttt ntctncttta tcttctgcta 60
 caactctatg ggtgaaaatc accatttgag gaccttagtg aagctcaaag atccagcctc 120
 agtagaagct tctcaagcaa gcttccatca ngaatgtgaa gtgatactta caagaaagca 180
 aantacagan ggccttgtgg gtgatgagta atgganggtg tagtaaaaga tgtaagtgat 240
 gataaggaag tgtangagag cgagaagtgg ctaaaaataa agagaaaaaa aaatgagtgg 300
 gtgaaatgta gaanananaa atgagaaaag ccaagaaaaa gagaaatagt tntaaagaga 360
 gagttgatga ggtcttagct tttangacta gagtcaaata acgagagaag caaagagg 418

<210> 34876
 <211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34876

gacactataa atactcagct tattaagagg cttcctcaag aagcttcctc gtggcttctt 60
tgtataagct ttctcaagag gcttctttga taagttagat ccttatctag ccacacctct 120
ctattaacta aattaacctc cttaaaaata attacagata aaaataacgc aacaaataat 180
caaacatcaa acataattac taataatata tagatatata tcagggtggt acaaaccaca 240
tttcagtagc gtcacttttg catcctgcac ccaccaatat acttgacat ccacaccatt 300
ttggataatt tgaaaanttt cctttcgtga atctgttacg aattatgaat gtataaaatc 360
gttacgaatt tgtcattggg atgcgtcaat ataatttttt ttgggttatt tc 412

<210> 34877
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34877

agcttttggt gggacacatg tcaacacctc ctanaaaaaa ctctctccat aacttcttta 60
taatttttct tcaaatttat attaaatatt ttttgtgtaa tattatatta tgatagattt 120
atataattac taataaacca ttaaaaataa ttataattta tttaactaat ttttttactt 180
taaaattcta caaaattatt tttatttaga aatcatataa aaataattgt aaacagctcc 240
ataaataaat attttggttg taaatattta tattatatgg nttatatttt tataactaaa 300
attagtttaa atatagttaa ttttttataa taatttgact ctatgtttag aattttttta 360
ttaaatatat tttaaataaa ataaaaataa ttttgtggct ataatcaa atattntatc 420
tg 422

<210> 34878
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34878

tgaaagctag gcaattgagt tagagttggt aattnttttc tacacaaaaa caggttataa 60
 tgtccattta tatcatgtca gtaggtcctt tccagatttt tttgctgaag cattatccct 120
 ttgctagata tctatgagac atatatctgg gttgttatca atgcatagta gttcttttaa 180
 tatatatata tatatatata taattggaat tgagcctaac caactccctt tcagggggcc 240
 ccagggactg ggaagactca gaccatactt gggattctaa gtaccatttt gcatgtact 300
 cctacaagaa tgcattcaaa gtaagtgtaa tatttttata tattnttgta gncttctatg 360
 tctaanaact tcgtacccca ttgccagag gctcttcgct atgcgaacgt atgggggagg 420
 gat 423

<210> 34879
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34879

agcttcatgt agatgaacca agcaattntg atgatgccaa aagcctaagt gattgattca 60
 agacttcaag atcaagcatc aagaatcaaa tccaagattc aagcattcaa gagaagaaat 120
 caagaagcaa taagtcaaga cttcatatat gataagtatt aaaagagatt ttcaaaaacc 180
 aaatagcaca gttttgtttt acaaaagaat tttctcaaat tctctaaagt taccagagtg 240
 attattctct ggtaatcgat taccagtgcac cagtttagtt ttcagaatat tttcaaattg 300
 gttgcaactt tccaaataat tgtcacatag tgttatagat tacactatat taggtatcga 360
 ttacaagtga atctgaacgt tggaatgtat atccaagtgt gaagagtcac aacttttca 419

<210> 34880
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 34880

tcaaacctct cacaaggag aagacaaagt aaagaatgtg aaatctaaac tgatgaatgc 60
 aatacaacag tcgcaaatag aaatagttgt tttctccaaa agctatactg aatctacttt 120
 gtgtcttgag gagcttgaaa aaatcattga atgcaataaa ttttaaggcc aagtacttgt 180
 gcccatatth tatgatgttg acccatcaga tgtacgccat cagaagggtg cttttggaag 240

agcattaaaa gaacttgac aaaacaaata ttcaagagac catgcggcat aagtgtttgt 300
gatgtggagc cacacactca gcaaaactac agacttttgg tgttgggatg caagagagca 360
atgttgtag actcgtgatt ctacgtagaa tcgtgaagac ttcgtaaact cgacttcgag 420
aatcgaa 427

<210> 34881
<211> 426
<212> DNA
<213> Glycine max

<400> 34881

agctttatat attatgagga gcaggccaca taatatTTTgt gtgtgtatga tgtatatata 60
ctacatacac aacgtgtaca gtggaaatca tacaagtgt gagattctga tcagaaagag 120
aatagtttgt tagaatactt gggaaactga accttagctc tactcagaaa ggggaaatcc 180
tttgtgaata ggaaaccctt tgaaggataa tctcaacttt gtttctttgc aattcaagaa 240
atactatcaa agcatatttg ttccctttca ttcccttagc attatgctat tctgctacta 300
actttaactg catttaaagc ttgctcataa ctaacaaagt ttatttggtt agattgattc 360
attgagagcc cttcaatcat caaagctcat tcccatgatc tttcgttacc acttcaacaa 420
ccattt 426

<210> 34882
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34882

tggttcgagg tacttaccog ttgaagatcg aagaacgatg aagaacgaat gaagaacgtc 60
gaagaacggt cgaaaccttc acgaaattct tcacggaaaa cgttacggaa acgtttcgga 120
agcgctcgg cttagatttt ttccacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcc aaggggctga accccttct tcttcaactc ctccctatt tatagcaaaa 240
taagggaggt ggttgccgcc cagctcgccc aggcgagcca ngttgcttcc tccagaagca 300
acagccttct ggaggaatct tctgga 326

<210> 34883
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34883

tgtgatgcct cgttancctta cctatactat anaataactca agctatatgc gtgataacag 60
 gcgcactcat gggccttgga tgtaaatctc tcgtgcgtga gaggttgtgt gatgagctag 120
 atacgtacat agccacaccg ctctaataac taaagcaacc tccttgaaag ctaatacaca 180
 ggatgataac gcgaccata acctacagca gacataacta ctaatgagat agtgatatat 240
 atccgggtgt taaaaaccga acttcactag cgtgactttt gcattctgca cccaccgata 300
 tacttgctca tacacacccat tttggataat ttgaataatt taccttcgcg aatctcggac 360
 caaatatgaa tgtgtaaaaa ccgcacga~~g~~ ttgtcatttg catgcgcca cataacatgt 420
 ttgtcggtaa ctctactaca ttgagcgcgc atatatacaa actgagctca tgtgcg 476

<210> 34884
 <211> 483
 <212> DNA
 <213> Glycine max
 <400> 34884

tgttgtacct catgcctaca tatacataaa taccagacgt caactgggtcg cgaggagcat 60
 gcgaacccaa cagggttttta ttcatatgta tgaaccagac ccacggggttg gcgggtagag 120
 ctctgtgttt gacacacccat acagaccttt gtccttccat gcaggagagc gtgcaaaaga 180
 acagactgca acttatgtct gaggcattga cctttgacca cttttaacta atgagaacaa 240
 tcaaacacag tccagctatt atgacctttc cagcagaaga tacaaccctg gatggaggaa 300
 tcaccctaac ctcatatggt ccagccctca gcaacaacag cagcagcctg ctctcttctt 360
 aaaaaacgct gcttgccgaa gcggagcata caatccttgg ccgatcaaac aacagcaaca 420
 accccagaga cagtcattcag ctgacgccgc tccacaaact tccctcgaag aacttgtgaa 480
 gcg 483

<210> 34885
 <211> 414

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34885

agcttgaagg caaactggat gcgttggtca acttggtaac ccagctggcc ttgaatcaga 60
 aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccagcc 300
 ctgagcaaca acaacagcag cctgcttctt ccttccaaaa tgctgctggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacccaa gaaacaacca acag 414

<210> 34886
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34886

tgccacccaa ctgcccagg cgagcaaggt ggcttcctcc agaagcaacc gtcttctgga 60
 ggaatcttct ggagggccca agtgggtctg gttgctatct gcacccccat ttttactaaa 120
 tacaccccaa cttttttttt gtgcttcttt tttcgtaaag ttacggaaac ttatgaattt 180
 cgtaacgata cttgtttttt tttttccgta atgttacgga accttgcgga tttcataatc 240
 antccctttt tgacttacgg aacgttacgg aacctcacga attctgcaac gatgcttcct 300
 ttttgatttt cggtatgtca cggaacctta cggtattgtc atcaatactt tcttttgatt 360
 tccgacatgt cccggaactt cacanaatgc ctaatgatgg gtgccaagca ccacac 416

<210> 34887
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34887

agctttgaat tgtgttgttt ttcaccttct cgctaagcca atccgctggc ttagcgagcg 60

tctcttagag aacttgtgag gcaaattgatt atgcataaca tggcagttca acaagacacc 300
 agagcctnca ttcagagctt aactaatcag atgggacaat tggctacaca attagatcaa 360
 caacagtgcc agaattctga c 381

<210> 34890
 <211> 154
 <212> DNA
 <213> Glycine max
 <400> 34890

tcactgatag tagtattgat gtagctatca tcaaggaatt ctatgtcttc ctctacgacc 60
 cataagacaa gtcacctaatt caggtgacgg ttagagggtca tttgatcaaa tttgatgaaa 120
 atactttgaa cacattcctg aagacccttg taat 154

<210> 34891
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34891

agctntntat tttcagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60
 acaatagcat catttcttgc actgaattgt tgggagttag aagccatctt ctgatcaaa 120
 ttcctggcct cagcaggggt catatcata agggctccac cactggcagc atcaatcata 180
 ctctctcca tgttgctaag tccctcatag aaatattgaa gaaaaagttg ctcanaaatc 240
 tgggtggtgag gacagcttgc acacgatttc ttgaatcttt ccaggtactc atacaagctc 300
 tctccactaa gttgtctgat gcctaaaatg tcttttctga tggcaatggc cctagataca 360
 ggaaagaatt tctccaagaa cactctctta aggtcatccc agctgaaaat 410

<210> 34892
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 34892

taagatatta aggatctgag caatttcgaa tagattcatc aaggtaaggg gggctctatca 60
 aattcttgaa ccctaacctt gttgtctttg gaaactaagt ttcattgaat gttgttttga 120

tgatcaaaat tcgtagctaa ttccttggat ggaactgtat tatatgttgt gtttcttgaa 180
attctaaggt taaaaatgag ttccttgggt gtcaaaaactt aagtttagct ttaaatttct 240
ctaaaatcgg agttttctag taaaagttat gaacaaaaca agtttaagga attttattta 300
tttttttaga ctaaaactgt catgaaaata aagttgggtgt tatggctgta eggactgttt 360
tttctttaag gttgacttca aaatgagttc ttaagtgtga aatatagtga gcatataaaa 420
ttatga 426

<210> 34893
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34893

agcttgggtgt gtcataaagg gcatagatca ttattaatta gaatttgcct cttggccagg 60
ttgtccttag taggaagtct atcccataac aacctccaga caaaggatcc catatcagcc 120
actatatgat ttctttgaga ggaaattgag tacaaatctg gaaattgatc tttgagtggg 180
attccatcct cagcccaggc atcttccag aacaaaattt gatcaccct acccatcttc 240
cagcagaatt gtttagagac ggcagtcata ttgtgatctt gattgagtgc ctttaggtca 300
gccaccagg tggagaaatg ttgnntgtga ggccctgat ccaatcctct ccagccctga 360
tatttagaaa tcaggatcct attccacagc t 391

<210> 34894
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34894

tgcttgtggn gcttctatgg aggctggatc tttgagcttc aatgatgtcc tttaatggtg 60
attttccacc atggagatgc agcgaagaa aaaggagaag aggtgagagg aggcgccatc 120
cactatggaa taagccatgg aagaaagagc ttcaccacca agatgagcct tggataagaa 180
gcttggacag gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gagggggagc 240
acgaaattga aggaagataa agggagagaa gttgaacttt gagttgtgtc tcacaagact 300

ctcattcatc anagttacaa caagtgttac acatgcttct atntatagac tangtagctt 360
ccttgagaag c 371

<210> 34895
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34895

agcttactat tattattaga ctaatacaaa aattacaaaa ttatgggaca atgttaataa 60
ttaatgttac actttaagca ttacaggagc tagtaggtca ttagttttac acttggggcca 120
tagccagtca ttaatgttat agttggacct tattggacct tgggaaacca tggttgttat 180
acttaaacad ttttggcct tagttaatta ttggtgttaa actttaacct aattgagcct 240
aacttaatta ttagtgtaac aatgagctnt gttgggcatt aaatagtctt taactttata 300
athtagccta gtagggctct tgacaatcat tagtgttaca ctnggggttta attggacatt 360
ggtcaatcat catca 375

<210> 34896
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34896

ttntactnta ttatttaact ataactttca taataattat ttgttaaatta tacttanggn 60
gaattctaaa tagctattag tggaaataag aaaacatcga tgacatatga aaatcatacc 120
tcattacaca atttcacaga attgttagta tgtttttttt ttggattttc aaggttatga 180
tttatttaga atgtttatat taagagatag acatttctta tcaaacatta attttcatta 240
tgagagagaa ccttgataaa actagtcttc tcactctggag ggtcacgaat cgacactatg 300
aaagtag 307

<210> 34897
<211> 420
<212> DNA
<213> Glycine max

catgctcaga ccacgcatgt tgccagaaca aaactcgatc acccctaccc atcttccagc 240
agaagtgcct aaagacagca gttatattgt gatcc 275

<210> 34903
<211> 60
<212> DNA
<213> Glycine max

<400> 34903

tctatctttg ttttaacgca tcatttcaaa gattcgatga tatttttgca tggtaaattt 60

<210> 34904
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34904

agcttcggat tgtaagtatt ggattggata gctcgtgctt ccaagctaca aataaatttg 60
aacccaaata tgatactcct cgttttttat ataaaattca attacttaat ttatcaaatt 120
caaaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt tttttaaatt 180
ttccttatca ataatatctt atctcttcta atagtttatt aatatatttt gtttcttatt 240
ttaatgagag atgttttttag tataaaaaata attaatacaa aaaatattat aaattgagtt 300
ttataaaaaa aaataaacat caattcaaatt ttgagtctta tagataagaa caaaggagc 360
aatgctaaaa gaanaatggt aaagtcacaa tctntttatg cacactcctt attgggtcac 420
atc 423

<210> 34905
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34905

taccttgaag aagaattgta gggcacgaca actttggaaa gggaaactcc gtggcttgca 60
cagtggcgcg acaagacgag acgccgatg cgcgataatg gactacgccc ttcgtccgag 120
gtcacgacaa ggtcacaaca tattgaaatt tcagacaaac agggaagtgg gagctcgagc 180

tagggcgagg ttggagtgtt catgaattag cacgcaaaag cttataaacc tcaatgttaa 240
cgacgggtggg tcaagaaaaa cgtcattgac attcaaaatt tctacgacgt tgttttcaaa 300
tacaccgtct taacttacct gttgcgtaac ctacatagac gggttacca atgaacatcg 360
ttgaatgtgt cacgcgccgt gcacatggca cataanaagg gcacatattt atagaaatgc 420
caccgctaata tctactacga c 441

<210> 34906
<211> 410
<212> DNA
<213> Glycine max
<400> 34906

agcttgccat ggtagtcgtg gacctgaagg cccgactgaa ggagtcagag tccaggatgg 60
aggattccga gttatgggca tccaatgaga gggaggctaa ctatgagttt gaataggagt 120
tgctagtata caagaaggag gttgtcgagt agcatgaaaa agggttgcac aatgctgtta 180
tgcattgcgg gatcttcgtc aaggaccttg tcttggtctt ttgtaaccct ttctagcacg 240
tgaatgatgg tgttctactt atcaaggaag atataactgc tgatgaggag acgagcatgg 300
agtaagatgt tggggccaat gtttacgccg atgtttaatt tcttgtttgc tggattttag 360
gcacaatggc tatgtaatta tgaaaattct tcgttcgaga atgaatttcc 410

<210> 34907
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34907

tagtaagtta tgtacctgtg ttccttgagg atgtgcttag tttaccacct aagtgtgaga 60
ttgagaatct agtaggtcta gtacccatag aaaactgtaa ccgtagagat atttggtata 120
tagctgtaga gcgtatacaa tagttgggaa agttgtaagg agtagttata gtatgaaacc 180
tttagaaagt gtaagggtcga tattaaggcg ttgttttgct gagcataaag ggattcgaga 240
gtgagtattc ttatgtaagg tagatgacct anaggattag cgatgatagt tgtatgatta 300
gtgagataga tcttagttct ctttaccttt aatccgggta aagtctgagg atgctctgat 360

gactatcata gtaccttcca tggactatac gtgtacctgg tcatgtcttg acatgatcga 420
t 421

<210> 34908
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34908

agcttcttgc acgagatcaa tatatttatt agcatatatt aaaggatgaa gacgtggtac 60
gtgatatctt ttggtgtcac cctgatacag tgaagttagt caatgcatgt aatttggtat 120
tnttgataga cagtacctac aaaacaaata gatacaaact ctactactt gactttgntg 180
gtgtgacacc aacagggatg acattctctg ctggctttgc ttatctagag ggtgaacatg 240
ttaataatgt ggtatgggat ttaaacgggt tccgaggat atttttaaga tgtgatgcc 300
tccctagagt tattatgact aacanagacc tagtattgat gaatgcagtg aanactgtat 360
tccctaagtg tacaaatttg ttgtgcagct ttcacataaa caagaat 407

<210> 34909
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34909

ntgaagttag tgtattttat tattagtatt attatacata taattaaata cttttatggg 60
tatgattttc tattgataat tcatgtctat gattttgtag tgttattatg acatgatctc 120
gaaagttatt gatatgttga aattagaaaa tatttttatt taatttgata catgtgtata 180
tgattcatga gatatgataa attattatat tngatcatg aaattgtgat tgagaatgtg 240
tgtgtaagt atgaattgtg agatatatgt gtattgagat gtgagctatg aactctacaa 300
tcacacaatt gtaagagcct ttaagagcga tgagttaatg cgcgataagn nttgtatgag 360
ctctactgtg ggaacccgat gaagttaatc aat 393

<210> 34910
<211> 424
<212> DNA

<213> Glycine max

<400> 34910

agcttctgga ggaagcctct taatgaagct tttagagaaa atacatgcag ctccctcggt 60
aaacacgctg cccagccttt gttaaccatt ggatcttctc gaaatttggc ttgcgacttc 120
acaagacact tgtccatgat ctgaccgttg ctatctttga gaagatgtct ggagtgtgct 180
agaagcttcc gttcccgaga gcatctctta ttttaagcatt tcagcctttg ctttcgtgta 240
gcttaagaaa aacgtcattt cttcttcttt ctttcttcca aatccatttc taaagttcca 300
agaactttct ccatcaccca cagccaccat tagccaccac ataccatcgt tgggtctccac 360
accgagagga acccttcaac cgaagcagaa tcttccaact tggcttggcg gttcggtaga 420
gaac 424

<210> 34911

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34911

agcttgcttc tacaatctcc ccctttttga tgatgacaac cctgaaatca agaaacacgg 60
cacacacttt ttcttagtcg atctctcact taattctcca tattctcccc ctttgttttt 120
gagtttatgc ttcatttgaa attaaagttaa tcacttatgt gagttcttga tttaatccct 180
atttctgtcc ccctttggca tcaacaaaaa agccaaagtg cgtaataagt aaaaaatgta 240
catacactac taatcataca caagacattc attaaaaagt ataaaccaat catgaagcaa 300
gaaacatgaa tagatcaa atataaaaaa aatatagtca tataacataa ttcataattg 360
ttcaatcata ccatgcaa ataanagaaata ctanattgtt canatgtcat aataatatag 420
attatttta 428

<210> 34912

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34912

ntgtacctca ttacggacct atgaatacta agcttgactg aaacgcantg gcttagtgtg 60
 tggggaaccg attatggaaa tggaaacacc actagagggt cggttggcac aagcggtggg 120
 catgggccac caggacatgg ataggtggac tatacatgat ggaaggaatt ttatggataa 180
 gtgcacactt tataactatt tttagaccat cattaatgac catattaact aatggatgga 240
 taattgtatt aaccttggaa aaaatgtgac aattgatgaa cctggtgtct ttatcattaa 300
 tgaatgtatg aacctaattg ctttgacagc ttatgcgtat gtagatttta aggganggta 360
 tttcaaaatt ttcataaaaa taagaactac catgatcaaa taagtgggca ataaggttac 420
 ataatctacg acatatagaa gtcaaaaaca tgggtgcacag aagtgcctaa ag 472

<210> 34913
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 34913

agctttgaga caattcaaac gaccataacc ttttactcgg atctctaatt gagggccgta 60
 acatatcgag atgctcgaaa ttgaatgtgg aatctctgag ccattcaaaa cgaccataag 120
 tttgtactcc gatgtctgat tgagtcctcg gacatatcga gacgctcgaa agtgaatgtt 180
 gaagctctga gccaatcaaa acgacaata 209

<210> 34914
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 34914

tcaacattca atgtcaagcg tctcgatata ttatgggact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt ggctcggagc ttcaacattc aatttcgagg gtctcgatat 120
 attacgggac tcaatccgac atccgagaaa aaaattattg tcgtttgaat tggctcagag 180
 gctcaacatt caattttgag cgtctcgata tgttacggga ctcaatcaga ca 232

<210> 34915
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34915

agctntagca tatcgtatca tatgggtttcc ttcttcaatt gccttgagtt gcttcatttc 60
tggattaaat ccggcgatct gccgtgaggt ccaagttctg caaccagttt cggttgagtca 120
ggaagtagca tatgctaggt tgcacgaaga aaagcagaac gatgcatgaa ggacatttcg 180
accttcgtca gttgtaggag cttcctcaag ctctcgacca tcgctattac ccactccatc 240
caccaacccc ccactgttac caacaccggc acaaacagct tcttccagca ttccattcaa 300
gagactaact ccagaagaat tggccttatg gcaagaaaag ggactatggt ttca 354

<210> 34916
<211> 329
<212> DNA
<213> Glycine max

<400> 34916
gtcactatct aatactcaag ctgagatact gtcaacttga agctagctta gcttagcctt 60
gtcctgctta tcggagcaga tctgccttag atgcaaggga tgggtgctaa gcgcttgaga 120
ctcgcaactt agcgcgatgaa tagagatgag cttagcgaga ggcttgtgct tagcgaaagg 180
actatctttc agataaaaaa tctctaagtt attcttcagc cctttttcct tgaaattgaa 240
acccttatgt taagcattca aagattggct gatatactcc tatgtacata ttatataaca 300
agttccacat gatttacatg cataaaaag 329

<210> 34917
<211> 394
<212> DNA
<213> Glycine max

<400> 34917
agcttgtaac atgagctgaa gcataagaaa gattcttctt ataagttaga tgctgcggcg 60
aagcttgatt gcttgattga aacccatgac tgaaactcat ttgactgtca gactggaaag 120
ggctccctcc tgatggagta gatgcttcca aatacaaaac ttgattgaat tggagcaggt 180
tgcatacctg tgtggaggta caggctgctg ctgccggagt gaatgaaatg cgtagttgat 240
gcaactggagg ttaattaaaa cattgaatga gaactggcag aagcaacaga cgcagtggat 300
gacgatgatg tactaaatgt ggaaccaaat gcacacttgg cgggctgcct actaaagtag 360

aacttggacc acattggagc taacacatta tacc

394

<210> 34918
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34918

cacgaggcct ttctttgggt ttgtgaacat cctgtttgc cttcttcttc acggcagttg 60
ggttattcct cagatgccta ttggactcaa taaaatcttc caattggatg tacctttagg 120
ccttaacccc gatthttgggc caaggcagag ggcggctttt cgcaaaggct attaataaaa 180
aagtttggtt gtaatgttgt aaccaaattg tgccataacta ccaccgagtc aagatttaga 240
atatccaagg ctgccttccc aaacctttcc atgaaagacc gcactgtttc cttcttttct 300
tgthtgtaac ttactaagga gaccaacacc atgtgatgtt gactagttgc aaactgaagc 360
ccaaacctca tgggctcaaa acagntatg gatcctcgtg gaggccagtg aaccaactca 420
cagctgtttc tttgagtgat n 441

<210> 34919
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34919

agcttgcttc tacagataac acatacacgg ttactctaac caaattgact tttgaggttg 60
atthtggttt gtgtttcatg ctgtcaattt ccaggttgtc cttgtaatat aatagtttgt 120
gaattggagt ttgtgtttat agcaagagaa tggatgagtc aacaaacagg cataatgata 180
atthgggtgt gaacaaaatg gggaaaaaca ttaggaagac caaaagagac cagcccaatt 240
atggcatgaa caacaacagc aacatgaatg ggggtagaca gcaacagcaa cacaacagc 300
ctcagcttta caacatatcc aaaaatgatt tcaaggatat tggtcagcag aaaaaaaaag 360
ttgattacga tcaactcctaa ttntaacaaa cataaattat ttatatttca atattaacac 420
atgtatg 427

<210> 34920
<211> 440
<212> DNA
<213> Glycine max

<400> 34920

tgccccaacc ttgggaatga gctatagaaa taaccaatat aactccctct agttcagctg 60
aaaagaaaga aagataccca catataaaat atatcctcct aagaaagcac cagagtcac 120
atgagataac ctacatata taagggaacc ctgaaatgat ttactagcc ttacgtgcat 180
gaatattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatacagc 240
ttaaagtaag ataaccagcc ccaagcaaaa tatgagcaaa cataatgatc attgcttgct 300
gctatgagac aaaaagatta tgaaagtagg cttgattgtg gcaatattag attgccccaa 360
ccacaaagat aaaaccagca agaacaacat ctttagcatg cgggcaaca actgccaaca 420
tccaggataa gatcaatagg 440

<210> 34921
<211> 263
<212> DNA
<213> Glycine max

<400> 34921

agcttcatgc tgctcaattg ctccacgttg ctgcatggaa aggcaaaggt ctgtatggtg 60
gtcagcagag gagcacaaac cacaaccct tgcgacaggg acagatttct gattcaaggc 120
cagctgggtt accaagttaa ccaatgcac cagatttcct tcaagcttct taaattcaga 180
tgatgcagat ggggtttag ctacctcatg cactactcta atgactatgg catcagttat 240
ggcgctaaac tgctgggagt tgg 263

<210> 34922
<211> 320
<212> DNA
<213> Glycine max

<400> 34922

agettgcctg ttgtgttttg agtactgtaa taggggtgtt ttacagttcc tttgaaaaaa 60
ccttgaaaat gagatgttgt aaaagttatc tttttataaa attgatgtta ttttcctgac 120
cttcgttgaa ccccgatcac attggcgaga tcggaatttt aaaatgacat ctcctttag 180

tagaatctga aacactcctc agtcctttat gttttgacag gggtaattga tcctaaatgt 240
 tggtattaac cttatttttt aaatatatac taaatttcct tcaatttggt atataaaacc 300
 ttgcgtttgg attgacaaac 320

<210> 34923
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34923

tataagaaca aaatttcctc aatcatatcc aaatacgcac gctaattang aagcatcaac 60
 aagaatcaag ccaaggctat tgtgcangca atcaatgggg gcaaaacaca ccaaattgatt 120
 atgatgatgg atgggtcaaa ttctcacaca ggtaaactca tcacttttaa attgagcttt 180
 caaaactatc atgacatgta gaggagaatc aaggatttca agtcacaaca tgtcaaaaac 240
 ttttat 246

<210> 34924
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34924

agcttccagt agtttgagaa taagcaaaaa cctcaatccc caacatatat aaccttctct 60
 ttctgctggg ttgtgcctct tctgctatg cgtcttcttg ctgcataaca cctcttcctc 120
 ttctcttcg atcatcacca cttcacaatg tcgtcgaagt tcgaccctc ccattgacgt 180
 cttcatccgc ataaccgatg gcgaggttag tgcgacgagt tccctcccag agcgtgagaa 240
 tgaagagaag ggttgagagt cttgatccgt cgagcgtgaa gatgagcata agaagagaaa 300
 tgagtgaggt tttagggttg attcanaata acatcattct cgagcgtgac aatntttttt 360
 aacgtacaca acccatttca gc 382

<210> 34925
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34925

nntaaatttg aattaaaaca ttcagaaact gctggtaatc gattaccata tatgtgtaat 60
cgattacata gtgcaaattt tgaattcaga ttttaatagc tggtattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaatt tcttgaaaaa 180
gactttttta cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat accctttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctttga gacgcatgtg aacctttggc atcatcaaaa 360
cattcagctt gatcctttgt ctacatat 388

<210> 34926
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34926

tgcttcagga tttgaaagtg agacatttcc tcaacatggt ttcaaactca aaaaagccct 60
atatggactt aagcaagctc ctagagcttg gtatgaaaag ctaagttcat ttctcttgaa 120
aatggctttg agcgaggaaa gggtgacaca acactcattc acaaaaacta tgattctcag 180
tttttattag tgcaagtata tgtggatgat atctcatttt tagtgctact aatgaaattc 240
tttgtgaaga tttttctaag tagatgcaga ctgaattcga aatgagcatg atgggagagc 300
tgaaattctt tcttggatta caaataaaac aaacacccan aggcattctac attcatcaga 360
ccaagtatgt gaaagaatta ctgaanaatt caacatgggt gtcgcaatat agataaag 418

<210> 34927
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34927

tatcctgtaa ctaccaagaa ccatctggta atcgattaca gcctgttgta atcgattaca 60
aggctctgtt ctatggattt ttgcatttaa aactaactat ttttactca caaaacctac 120

acattgagta taacaatcat taacaacaat caacaatcaa aatatacaat taaaacaagc 180
atcaaaactc tcaaacacat tcatcaagca caatcaaaat tgcaaaagac aattatcaac 240
aacaatcaac actcatcata actatcaaaa cataatcatt agagacaatc aaaactcaaa 300
caaagacaat cattaatcca taatcaacaa taatcatcaa aagcaaactc aattatcaag 360
aacaatagaa canattaaca atcatatgat aagagataat aatcaaccaa gttaactatg 420
tatctaagtc a 431

<210> 34928
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34928

agcttgatca aaacaattat ctaatcattc caatccactc aaatcatata gttgctcatt 60
caaatcattc tcaaacactc atttcataca aaacaatcca ctgcatatca atttcaacca 120
attcactggt caaacacgct ttttgtacaa gcaaacaact cagagtactg aaattttaat 180
aacttgaaat ttaaagaatt gaaacataca aattgaaatt taaatgactg aacataaatc 240
ataaaataac ttanataaac taaaatgttc aaaatgcaca aattttaatg tccttctcct 300
gtggttgctt ctttgcacgc tcattaagat acaacatctg 340

<210> 34929
<211> 322
<212> DNA
<213> Glycine max

<400> 34929

ctgcggttga tttacggata gcctctgtgg ataactgggc ggtgggtaag gaggaggatt 60
gttattggct gagtaatgac attgctgggt tggcgggaaa ctcggccgta taggaatggc 120
agtcacagca tgggtttctc cctctttatc accctcttca tttgccccag ctttctcagt 180
cgtcctaaca cgatgatgaa atttgcctct gttcggacct acatcgatgc tttcactggc 240
gaagacaaaa ttgcgaagc ttttgagggg gcatagccca ccatcttttc atagtagagt 300
accgataatg tgtctacat ca 322

<210> 34930
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34930

agcttganat tgaacaacgg aagctctcga gaaaatcgag tggtcataaa ttttcacaca 60
gatgtccgat tcgggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
gagaaatttg aatggtcata acatttcact cggatgttcg attcggggac ataatctatc 180
gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctc taacttttca 240
cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaatngaa caacnggagc 300
tctcgagaaa tttgaatggt cataagtttt cacacgga 338

<210> 34931
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34931

taacaatggg gagatggacc attcaagtgc tggaaagaat cattgacaat gcttacaaag 60
ttgagctgcc cgggtgagtat aatgttagtt ccaccttcat gtcttgatta cctcttttga 120
tgcagatgta gaatccgatn tgaggacaaa tccttctcaa gagggagaga atgatgagga 180
catgaccaag agcaagggca aggatccact tgaaggactt ggaggacctg tgacaagggc 240
tagagcaagg aaagccaatg aagctcttca acaagtgtctg tccatactat ttgaatacaa 300
gcccaagatt caaggagaaa agtccaaggg tgtgagttgt atcatggccc aaatggatga 360
ggactaaatg acaccacttt gtctcnaatt tt 392

<210> 34932
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34932

agcttgaatg ataacttgat gccttggtca acctaccaac tcagcttgcc atgaatcaga 60

aatctacacc tgttgcaaga gtctgtggta tatgttcttc tgcagatcac catacagatc 120
 tatgtccttc tttgcagcaa tctggagtca atgagcaacc tanagcttat gctgcaaaca 180
 tttataatag acctcctcag cagcaaaacc aacaacagta gaataattat gacctttcaa 240
 gcaatagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300
 aacaacaata gcctgtccct cattttcaga atgttgctgg tccaagcaag ccatatgttc 360
 ctctccaat acagcagcag tcacaacana gacaacaagc aatttcaacc ttccttagaa 420
 gagttagt 428

<210> 34933
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34933

taacctaaagt aagtaagtaa gtgaccaatg taccatggag aaatccctga tcttcatgaa 60
 gtgccactcc ttgattcana ttaactgcga gccgggaaga gttgtccacg tcgttggggtt 120
 gaatggaaga acaaggaaga tgggctaggg ttcaatttgt aacgaagagg gtctagggtt 180
 caagttgtac gagctcgagg tttcaaata ctaagctagg gttcaaattg taacgataaa 240
 gggcttcaat gcaagggtgg agctgaggct ctgctattcg aacacgtgtt tgtatttttc 300
 cccaattacg acggtcttta acttanacct gccacanact ntattgcatg taacattcta 360
 anggcgggtt taataaccgt cttggaatgt gcacgtana atgtaattnt ttttacaatt 420
 attacaaaaa t 431

<210> 34934
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34934

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 tcagagtctt gttctgccac cgcttctcct tcattctcct ccactttctc ttcttcaact 120
 aaaccagcac catcatcatc cacaacaaca acagcctctt cttgtgcaac agcagcagaa 180

attctaggtc cccacaactt gtgcgaatta atggacaaag gttccaccaa gtgtgaccca 240
aacatgccac ggtttgaggg cactgttggt atgagagggt ctattatgga gcagttcttg 300
gaggaacgaa gacatttgac actgttaata gaagaagaaa acaaggaagc tatgcctgca 360
gcagcagtgg cagccatggt gttgttggtga tgtaatgcaa ctcanaagtg tacattacaa 420
gt 422

<210> 34935
<211> 192
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34935

cttgcgcgat ttattctttt gttctttctt gtgaaatttc ttttgtaaata ctttgtatag 60
ataactaagct ctcaaaatac ctcgtaaatac ttacagagaan aagactaaag tattgagtga 120
tatatatatta tatgtaagac gatcatgtat tagtcatggt gtanactttc aatgaatctt 180
ggtatttttt tt 192

<210> 34936
<211> 389
<212> DNA
<213> Glycine max
<400> 34936

agcttggagt tggtcttaata ggatgaagag aatgagggag ataacgagag aggtgggagc 60
acaactatga tggaagcaca atggagataa gctgaactct aagttgtgtc tcacaagact 120
ctcattcatc caagttacaa taagtgttac acatgcttct atttatagac taagtagctt 180
ccttgagaag acttcttgag aaaacttcct tgagaagctt ctttgagata actttcttga 240
gaagctagag cttatctaca cacacccatc taataactaa gctcacctcc ttgataagct 300
agagattaac tacacacacc cctctaataa ctatgctcac ctcccttgaga agagaagcta 360
gagcttagct acccaccctc ataatagct 389

<210> 34937
<211> 255
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 34937

gacactatac aagctcatgt gactgtgtgc aaccacaaat cttacattga gtatcctctt 60
 tgatatgttc tacaatagaa tttgcatgaa tttctaattg tcataacata ttattcatgg 120
 atacgatcta ggcatcctt ctttctttac attttaagcc attgaccaga caactatccc 180
 aacgtatatt attttataat ttgtaagccc tttgagccaa acacttgata tttttggaac 240
 actaacctan gataa 255

<210> 34938
 <211> 74
 <212> DNA
 <213> Glycine max

<400> 34938
 ttgtagaggt taacgaaaca acgagatgat gcgctccatg acatgctgtg tcagatggat 60
 aatcgagacc atat 74

<210> 34939
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 34939
 cgtgatgacg acataagttc aagtcaggaa tatatatata tattatatat atatagcatg 60
 tcgagagaca aatgtgggga aaagttatgc tgtgtcttga agaatccatg ccatatggat 120
 gctacagagt gaaagggact tgtttttagtg tagagagatg aagaaagctc tacgttaatt 180
 tggaatatga tttgggtgtt ggaaggagaa ccgtaaaaga ggggtgcaaga gtttttcaac 240
 gtgttccaga ggcttcatgt gttactttgt caacatattg gtcattattca tcggactaca 300
 gcttttctct ttaagtaatg ttttgggcaa tttcacacta agttgggatt aagtccaata 360
 tcaataccat acctact 377

<210> 34940
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34940

agcttatata aacaaaattg ccttaaatcat tcccaaatat gcatgtgaat taagacgcat 60
 caacaataat caagccaagg ctattgtgag agcaatcgat ggggcagaac acaccaaattg 120
 attataatga tggatggctc atattctcac agaggtataa tcatcactct caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca caatgtcaag 240
 aactttttatt ttcaaaacaa ttacccattt cttgaacata tactataatt cacagaacaa 300
 catgcaaagt cgtacgtgca cactaaaatg acccatagta ttagactgaa tatgcgacga 360
 atctaacaac attaacagat taacacaact aacaaat 397

<210> 34941

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34941

tcgaanagtgc tcgcattgca ccttcttgct aagccaatct actgtcttat cgagcgtncg 60
 ttaagcgcaa cactcatgag ctaagcgtga ggaagactct ggaagaagat gagctgtaca 120
 gggtcgctaa gctcagcgtc tcatctcact aagtgcaccg cttcagtcga tccactaagc 180
 gagatagaca cgcgcaaaga caaaattcac taatgtgccc tgagcgggttc ataattgcgc 240
 tcagctcatg agcacgaaca agggcactta ttaagcctg aaatcagatt ttataaagag 300
 agttcggact gggattcaga gcgttgcatg tctagagatt ctagagagag acaagtcgaa 360
 gttctagaga ggtctgagag 380

<210> 34942

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34942

agcttacata gccctaattct tanactgatt ctaacaacat aaaaacccta aaaatctaaa 60
 gctacaatta aagtattcta cccttgagtt aagacaagaa aaggagaana aggatcaagg 120
 aacttacttg gatgggtgat gattgatgct tcaaagtcaa aaatgcacaa agagcgtaca 180

gatgcaaaat gtgcaaattt ttggagagag agaatgcaga ggcgaggtat ctgtaatctg 240
gaaaatgtga gtgtaactgc tgttccactc acttaagcag attttcgata ccttcgctta 300
gcgaaccggt gcgctaagcg agcaagatag acgtttgggt tctcaaccaa gctcgccttag 360
cgagcatgtg cgcttagtcg acgtttcaaa ttcgaaaaca attttttatt tttta 414

<210> 34943
<211> 428
<212> DNA
<213> Glycine max

<400> 34943

tcaggctatt caattgctcc agattgctgc atagaaggga aatggtttgt atgggtggtca 60
ccagaggagc ataaaccaca gagtcttgcg acagggtacaa atttttgatt catggctagt 120
taggatacca ggttaaccaa ggcgtctagt ttaacttcaa gcttcttagt ttcagatgat 180
gcagatgagt ttgtggctac ctcatgcaact cctctaata ga ctatagcctc atttatggcg 240
ctaaactggt gggagtcgga agccatcttc tcaattaaat tccctggcttc agcaagggtc 300
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat gttactgagt 360
ccttgataaaa aatattggag aagaagctgc tcagaaatct ggtgggtgagg gcaactggca 420
catagttt 428

<210> 34944
<211> 423
<212> DNA
<213> Glycine max

<400> 34944

agctttctct ctttataata tgttgctcact ggcatcccat accgccacaa tattattatc 60
atgagtgatc atacctctag aaaacggcca tgtgagttat gaatcattgg gagtagttat 120
tagagacccc tagatactat cctataggct cctaaaatag gggcacggag cgaacacgct 180
gcgtgccgtt ttaaactctg ccatgcatgt agtcctaaat gtcataatcg cctttgcttg 240
taattattta tggatattgt cgtactctgt gcatccccct gttgcgcttt tgcgcatctg 300
catcatgcca tcaaactgct attgtgtgtg ggtctcgtct ttttcgcggg aaagtgaaag 360
atccatatcg tcttcttaac tgcacacatg gtgcactgca ccccaaatg cgccagtagg 420

aga

423

<210> 34945
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34945

tgtagaattc accccaattc cagtgtccta tgctgacttg ctcccatatc tacttgataa 60
ttcaatggta gccataacct tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
ctcgaacgca acgtgtgctt gtcacggaga agccccggng cgttccattg agcatggtag 180
ggctctgaag cgtaaggtgc aaggtctaata tgatgccggc tggctg 226

<210> 34946
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34946

agcttttcga ttcattctat gtgcccgtag tgggccacat tgtgtttcgt gcatttttat 60
tctcattntg tttacttttt atacccccctg ttgacatgct taagccattt tacttaagtc 120
atttctcgct taacttaaaa atagaataaa tttccaccga acgtttgaat tgtattatcc 180
attaacttcg gtcaaaataa attccgaccg ttcggttggt ccgtaaccac gttggaaatc 240
aaaaagaggt aaaaaataat ataaataatc aaaaaatatc tttttagtaa aataaagcgg 300
aaaatcaatc ggacgttntc tctttgggat tcctcattct taatcgaatt gattaataac 360
taaagtgaag ctaaggctaa aatcaactcg cctagtcaag ctc 403

<210> 34947
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34947

gtggaaatga tttctatata aaagttagtc gtataaagcg actaacacta ccattcctac 60
atgggcaaata tntccaccag ctccataata tcaatactca gccaatatca gcccttctca 120

ttaccacca ccctatcaac caagaacacc caatcatcca caaaggccac ccctaaatcc 180
ctatatacca aacaccacgc gaaacactaa ccaatgaagg aagtttctaa ctaagaagcc 240
tgtagaattc accccaagtt cgggtgcata tgctaactta ctcccatatc tactcaataa 300
atggtaggca taccgcgagc caaggatact caaccttcat cttctgagga tgcaactcag 360
acacaacatg cgcttatcat ggagg 385

<210> 34948
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34948

atcttggtga gtgggtcttg ggcctgctga tcatgtgtgg gctggctctg tatttttgagc 60
aatcaatgta aagggtgctta gtttgctcat gaaacacgag attggccgct atgtggagaa 120
tgctttgatt atcacaatat ataacaactg gatgggagca attgatatta aatcattgag 180
aagataggtg agccattgaa actcacacgt ggttgaagta agagctcagt atttagcttc 240
taatgataaa tgtgaaacaa taccctatct cattgatttc tatganacca aggatctgcc 300
aatgatgaag caatttctgt gatggagtgt gacag 335

<210> 34949
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34949

ntggacgcgt ttaaagggtt taatgctaaa gtagagaaac aatgtggaaa ataaattaag 60
attgtgagat tagatagaga ggagagtatt atggttaagta cacagagagt ggacaagcac 120
ctggtccatt tgcaaaatct cttaagaac atgggattgt tgcccagtag actatgtcta 180
gttctccaaa ttagaataat gtggcagaaa gaagaaattg aactttaatg gacatggtaa 240
gaagtatgag gagtaacaca aaacttcctc agttcttgtg gattgaaaca cttaagatga 300
ttgtgtatat atttaataga gttccaacca aggtgtctc aaagacacct tttgagttat 360
tcaaa 365

<210> 34950
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34950

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 aatatcagga aacgtttttc atctcagcag aatccttgta tactttacca tattttttcca 120
 tccactgctc atgtcttttc tagatggatg catcatggag tttgcgggac tttacttggg 180
 aagtgc aaat tgagagaagg agaagtagag ctaaaacttt cagggtttttg ccaatggaaa 240
 tcactctctt gtttagcaatt aatgacacta cgtactgatt aattgttgct agagaaactc 300
 tattgagttt agtgtttggg gctagatgtg taaattggta tgctcctaag gcaatgtttc 360
 gattagtata tataggatta ttgtcccttt aagggganna tatttaattct tagtcagaat 420
 gaaact 426

<210> 34951
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34951

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 ttaatgtgat aataatgtac agtatccatt tgggtatagt tatcttaaag tagaagttct 120
 aaccatgatt aaaagaacat caccgaagat aattagcatt acagtgtgca gaataggata 180
 aataatagtt acttttgctc cggaatatat aatttgttgg tccctaaaaa atgaaaatat 240
 aaaaagtagt ctctaaaagt gtaaaaagtg cgacaaatat atattcggtt attaaactcg 300
 cgaccaccgt taataaaata gctacgcga tatagagaaa cgaattagtc actaaaataa 360
 ctgccaacat gatcatcttt aattgtcagc ataaggacat atntgtcata taatatttct 420
 ttgacttttc atcttctcac 440

<210> 34952
 <211> 431

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34952

agctntgatg tgtgttgaga agaaatcaca tgtttgtcat catcaaaaag ggggagaatg 60
 tgaatgtatg tatacatgat tttgatgatg tcaaaagaag aatcatacaa ggctcatttt 120
 gcttcaagat taatacaaga ttttttcaac aaacaaagcc ttgattcaat atttcttcaa 180
 gatcaagcct tgccctcaaaa tgtagagatt tcaagtcac caaggcacat gtaatcgatt 240
 accaatacat gtaatcgatt accaaggcac atgaaagtg gtaatcgatt acacatcata 300
 tgtaatcgat taccagagac tctgaacggt gggaattcaa attataactg tgtaatcgat 360
 tacacaaaca ttgtaatcga ttaccagtgg aaagttttag agaatctgcc aacagtcaca 420
 tcttttcatt a 431

<210> 34953
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34953

cttgattgag ctaagatcac atgttggtat tagttaaaga atgatgatat gaggaagtgc 60
 ttagacaaag taaatcacag cttcaaactc ctcgattgtg aagatcttta gtcatacgtg 120
 agttgtgtta ctttcttgag tacaagaagc caccttactc atgcaaaca gggtttgcgg 180
 aaaggattga tcaagctgag tctatctata ctcttggtg tgtgtgtatg gntctacaca 240
 tcttttattt gtgcatgaat cattgaaagc aagctagaat aagtgtttct agtctggact 300
 atgggtaggt ttctcttagg ctcttattca caga 334

<210> 34954
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34954

agcttcaaag taaggaaaca tgcttatggc taggaatcca aaatttggtt ntaggattag 60

aaaagcatga aaatagggac ttttttgtaa ggatttgagc tgccccgtga ttggcacttt 120
gcacctaagt aacgtgggag atgctttttc aatgggtgtg agatatatgt gaatatatgg 180
cataagaata tgttgcaaag tgtgtgaata tatggcatga aaataccttg caaagtgaat 240
gaatagtaaa taatgcattt caaaaatgta tatttgtgga taggtagcgt aaaaatacct 300
tttaaaaaat gtatatattt ggataggtag cgtaaaaata ctttttaaaa tatgtatatt 360
tgtggataag tagtataaga agtctt 386

<210> 34955
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34955

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agaagaatgt ggcatttaac tgggggtgaaa aacaagagca agcatttgat ttgctcaaac 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaanact ttgagctag 180
aatgtgatgc ctctggagtg gtagttgtag ctgtattgtt acaagggtggg caccctattg 240
cttattatag tgaaaaactt catattgcc aacctcacta cccacctat gataaagagc 300
tctatgcctt aa 312

<210> 34956
<211> 368
<212> DNA
<213> Glycine max
<400> 34956

agcttcgggt gtggttacat tgacgtccct cagcttggtg cactctttcc cgaccttgat 60
ggacgacgtg ttgaactgtt acttgaccgc ttgcgccctt tcaagattca cctttaaagc 120
ttgcacctct tctctctgct catgggtttc aacctcttcc tcaattgaga tctttagctt 180
ctggagccaa gttatctatt gtgatctagc cttcagccac ttgtgataac cactgatgac 240
ccattgctg catccgctaa gctgcttacc ctttctttgc accgcacttc atgcttttcg 300
gacactttga aacgtccttg cattaggggt actacaacct cgtgcgatga aagggtgtgac 360
actttctt 368

<210> 34957
 <211> 79
 <212> DNA
 <213> Glycine max

<400> 34957

gggtgcacctc ttataccata tttcttctgg ctcaactgaca tagagggtgcg aatcgatcta 60
 ccttctccta cctgctata 79

<210> 34958
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34958

agcttgccctt gactctctac atgaagcatg gcttgaaagt caaccttcaa aggcgcgatg 60
 cttcagaaat tgagaagtac ttcaaagttt agagaaatat tattgaatat tgctaattaa 120
 tattgttatg atttatatgg ggtgtcagaa ttatttctat acgtttttca attacaagta 180
 aggcttgatg taagtaaaca tatatactag gggatgcata atgttaatga agtttattca 240
 gtgtgttatt tttaaaaata aaattgaaga tgtagtttcc taaactataa atatatagat 300
 gtaactctcg taatagttat aataatattc atatcttgga attacataag gtgttaagca 360
 taaaaaaatt aataattaat atgaaataaa tcttttcaca tatatagata agtcatatac 420
 act 423

<210> 34959
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34959

tccctcctgt ngtgcaagtc cacgtagttc aatggaccct tccatgatct aatcctagac 60
 catggtagct tggttgacta aggtcaatgt gggatcatgcc accaccaacg gtcaaaggat 120
 ctctgtcacc gccatctctg ttgggtcagc caccatcacc ttcttccctt gctgctggtc 180
 tccgctcaac ggcagccacc actcatcaat ctctctctgt catcatccac catggttttt 240

cgccattcaa actgcgaaca aatagatgca gc

272

<210> 34960

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34960

agcttctaataat gaagtgtgga gacccaaaat cattcatact tagacgaaat tgtcataaag 60

tgatagaagt cactgagaca cgccgataaa ggacaatgac aaaataggcg tctagaaagt 120

gcttcactag aaaacgaacg gcgagctaaa ggcgatggcc aaaaaacacg ttgaanagag 180

acaacgatag aataggcaat caaaatgatt tgttggaaaa tgaacaacaa acaaaaggag 240

gtggcaacca tcgtagagag agacgaacaa aaaatcatga accaataaag tgcataatnaa 300

cgtgttttcg tagtgggtcc aactaaatga tcatgtatgt atggngacaa aactccaggt 360

gtaggagcaa ccattatggg cgaccacat gctagaatga cagccagaca ccagaaaact 420

<210> 34961

<211> 422

<212> DNA

<213> Glycine max

<400> 34961

tgtaaaaact taagtctgaa atttctctat agataatgaa catttatggg cagaccagac 60

caacatcttt tcacaatata gtgtttctga tatttttgac tcagaaattt ccattcatct 120

cattggaaaa gtccaacca catttcaactg tatattagat tcaacttctt gatatcatgt 180

gctaacgaag cacaagattt agactcatga tattgagttc gggatactca gaaatttaat 240

ctacaatggg cattttgttg aataaaaagc aggcaaaaat taaaatgaac aaaatcatgc 300

caataataac tatagaacat tagacaacac tgacaaactt agtcgcatta gccactaatt 360

gaataacaga gcttagttgc aaaatagtag taagccaata aacatacaca gaactagaca 420

at 422

<210> 34962

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 34962

agcttggaga gcaagtcttc cttagtattg ttttccttg gtatgtggta cattttgagc 60
aattgaaatt atcaacaagg gtttttatga catgatagtt tatgaggaga accacttcct 120
tggctcgata tatgttttca acccatcctt ggacaagttt cgagtcctta tagcacctga 180
gtttccttgc tcgaacttca tttgccagtt ttagacctgc tatgagtgtt ttatatattg 240
tttcattgtt tgatgccttg aagtcaaatt tgagggcatg ctccanagt acattgttgg 300
gtccttcaag cataatgcc gcctcatttc ctttcacatt ggatgcacca tcaacataca 360
agttccacca gtt 373

<210> 34963
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34963

tcacaaaaga aaagtggata atccacatat tacaaaaggt tgacttccac attaccatcc 60
cccacaagga aacttgcaaa caagttnttc tcaatagttt ccctctcacc atctcacaca 120
atccttctaa taacaatagt aaacaagaaa agtgtcaatg gatcaccttg tcttaaaatt 180
ttttgagcga aaaattcata agtatttcag caacatcaaa tgggtactga tgtcaaacat 240
cccttaatcc aatgaatcca cttctcatca aaaccaacc tcttcatata gaacaagaaa 300
ttccaattaa tcanataata ggttnttcat aatctaaact aaagataaga ctntntcttt 360
ttccttnttc tttatcaatg gtatcattca ccgccaacac actatgaagt angaattttc 420
tcccaa 426

<210> 34964
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34964

agcttgtccc tgtgcctcct cctgagatat tngngtggtc tttccaatga taacatcctc 60

accagatact cgtgtgccct atttcataat aattaattag ttcttgtgaa attccttgag 120
gatagatcaa aaaggcataa attcagatat gcttactggt ggggcaagac catcatcatc 180
cagcttatca taagaacccat gtctcattcc ctgaaaaatg aaacttggtg agaaaccacc 240
aacaagaaac caatactctt ttccaaataa aaattgttaa gcaagaatag ttatttgcta 300
ccaaacccaa atttctcacc atggtgttag ctctatcagg acggccacaa tcttctttga 360
ccagggttcc catcttcttc tcttcatctc tataanaagt taagaataca gcatatcata 420
a 421

<210> 34965
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34965

tataaatcaa tatggaagtt tgacataatc caacttttgc aatatgagat tctcgaagtg 60
ttgtcatttt aacctaatac aactttcatc tttggatgat taaacattga gtgcttagtg 120
tgccatttct ttgcttaaca aacttaattt gtaatttgat ctatatcgta ttttctcttt 180
atgagagtta tttgattgta atcattcaca cttgctgttt ggaaagctag aatgacttag 240
tgatccaaga atatttggat gttntccagt tttacgatga gattaaaggt gtggtagaag 300
tgattctaag aatacttatt gtaagtcatg agtgccagag aataatactt attntgtagt 360
cttttattga 370

<210> 34966
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34966

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tgtgtttggt agttactgtg tgcaatattg tattgacagt gtaaaagtgt ggtgttactc 120
atttaataaa aatgtcattg ttgtattcct aagtaaattc aactgatatt tggatgcagt 180
aatgcttata agccatcagg tttcagtttt atgttgaatg tatgtatact tcatgcaatg 240

tttatattta gtgtcttaag aagatgtggt gtaagtcaag tttagtgtga ctttgtatta 300
catcctttct tgtgggttaa tggtatgaca gtgtaatggt gcaactttta attctgagtc 360
atgataatca acttctgagg ctattatcta taacacatca tcaatttgca tatgtga 417

<210> 34967
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34967

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ntggtgctct aatgattntt ttttccaatt aaactagtg agagacaagc acatgtctgt 120
ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
aggaggatat gacagactat atagaanaat gatagaacga aattaaaata gtttatatga 240
gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
aagaaaataa aaataattta tttcgtattc tagcctaate cattacaatg tggaccaatt 360
aaaatacggg tcacttgtaa caaatcttaa acagcatga 399

<210> 34968
<211> 357
<212> DNA
<213> Glycine max
<400> 34968

agcttgtatt tatttcttcc ttagtattgc tttcccttgg tatgtggtac attttgagca 60
attgagatta tcaaccacgg tttttatgac atgatacttt atgaggagaa ccacttcctt 120
ggctcgatat atgttttcaa cccatccttg gacaagtttc gagtccttat agcacctgag 180
tttacttgct cgaacttcat ttgccagttt tagacctgct atgagtgtt tatattttgt 240
ttcattgttt gatgccttga agtcaaattt gatggcatgc tccaaagtga cattggtggg 300
tccttcaagc ataatgccg cctcattttt tttcacattg gatgcaacat caacata 357

<210> 34969
<211> 407
<212> DNA
<213> Glycine max

catcaatcct cccaagcttt cacaacatnc aagcaaaaca tcattcaaac agcacaagct 240
atcacagcca agataaacag agcgcaggca gaatactctt gccaaacacc aaccaaatta 300
cagcttttct cacttaaa 318

<210> 34972
<211> 380
<212> DNA
<213> Glycine max

<400> 34972

agcttcagac tgctcaattg ctccagggtg ctgcatggaa gggcaaaggt ctgtatggtg 60
gtcagcagag gagcacaaac cacaaaccct tgcgacaggt acagatttct gattcaaggc 120
caactggggtt accaagttga ccaacgcatac cagtttgcct tcaagcttct taatttcaga 180
tgatgcagat gggttttag ctacctcatg cactcctcta atgattatgg catcatttct 240
ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatttctgg cttcagcagg 300
agtcattgtct ccaagggctc caccactggc agcatctatc atacttctct tcatattact 360
gagtccttca taaaaatatt 380

<210> 34973
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34973

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gttttccaaa ccttgaaaac ttgtgctatt catcttttca ttctcttctc cctttgccaa 120
aaagaattcg ccaaggacta accgcctgaa ttcttggtgg ggctctcttc tcctttttcc 180
aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatccc ttgtcaaaga 240
attcaaaacg acacagtctg agaattcttt tgattcttcc cattccctaa tacaaaagtg 300
ttcaaa 306

<210> 34974
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34974

agcttctttg aganaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccn ctataatagc taagctcacc cccatgacaa aaaacatgaa aataaaaaaa 240
aagtccttat taaaaagaca actcanaatg ccccgaaata caaggctaaa accctatact 300
actagaatgg gcaaaatata aggccctagac gaaggaaaaa cctattctag tattttacaaa 360
gataagcggg ctcatactta gcccatgggc tcgaaatcta ccct 404

<210> 34975
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34975

tatgctacaa acatctacaa cagacctcct taacctcagc agctaaatca gccacaacag 60
aataattatg acctctccag caacaggtac aatcccgagt ggagaatcat cccaacctta 120
gatggctgaa tccttcacaa caacagcagc aacaacaaca accttatttt caaaatgctg 180
ctggcccaag cagaccatac gttcctccac caatccagca acaacaacag caacagcccc 240
aaaaacagca aacagttgag gtcctccgc aacctttcct agaagaactt gtgaggcaaa 300
tgactatgca aaacatgcag ttctgacaag agaccagagc ttccattcag agcttaacta 360
atcagatggg acaatnggct acacagttaa atcaacaaca gtcccagaat tctgacagat 420
tacctttctca atctatct 438

<210> 34976
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34976

ttgcttgctg tattccaagt tcattaatca tacctttaag ccagattgct tccttcactc 60

cttcagctag ggccatgtat tctgcttcag ttgttgaaag agcaacaact gattgttgat 120
 ttgctttcca attgattggt ataccaaaac aagtaaacad atatcctggt aaggacttcc 180
 ttgtgtctac atttcctgca aaatctgcat ctacatagcc tgtgactact gcctcgtgtg 240
 ctgtcttctt gtaccttaaa ccagctttca aagatccatt tagatacctt agtgtccact 300
 tcacagtttg ccagtgtgag cttgcaggat ttcccatgaa tctgcttata atacttacag 360
 catgagctaa gtcaggtctg atgcaacat tccatacatt atgcttncaa caccactg 418

<210> 34977
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34977

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 aaacttaaaa taataatatg aaaaacacaa tgagctcaag agtttatact gaagatgcaa 120
 atgtgggatg aaaattatct agatggatta tataatcttt cgactaaaga attaattaag 180
 actcatttta taattntctt atgaaatttc atatttattt atcatgtaan taatttgaat 240
 gactcattat atngtttttt catcactttt tatggttttt aggctttcta agtagcttta 300
 atgggatttt tattcgtaat gaaaaataaa tggttaataaa aatt 344

<210> 34978
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34978

agcttcaagc tgcatgtcca attccatttg atgaagccaa tttgtggaaa ggccaaagtg 60
 gacctgagct aaaacagata attcaacaac aatttagaaa catcaggtat tacttcaaac 120
 tagtggaagt ggactgagct ctgtctagct aaatattatc cattaataac ttgcagggct 180
 ntgttgtggc ttagtctctt gtaagcatgc atcatactgc taaaaaatga caattgatta 240
 ccaatgattc gtagtaatgc ttacaaaacc atttttgtgg aaggaatcat agtatatata 300
 ggttgattc tatctaaaat cccatcattg atattntag tcctacagta tggnttttct 360

tttcatcttg agtntntccac atactgatgg atgctaaatt ggtttggttt atctggactc 420

<210> 34979
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34979

gtcatccaat atatgcatga tgtcaataac gcacttagta aacctatcac accaatcaat 60
cacatatgag tggcttggtg acagactatt tactctcaat gttttattct aaatagagac 120
gtaggattga tttgctccat tttttggact gatattaaat gtccattaaa tattaacgaa 180
tttgaattat gcgtatgagt tatgcaaagt aatctagcca tatcatatat atatatagaa 240
cattacatta cagcatgcta atcaattctc cttcatcatg atcattacga ttagcatgaa 300
cggcgtcagc ttctttctct cgcacgacgt tatgagtgat ttgcacggtc aaaggactaa 360
catangagtg catgtatgaa tcatcatctt ctacatt 397

<210> 34980
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34980

agcttatatt gttgtgatna ctctacaata ctctcggtag tagctcttac tagccatgag 60
gtttggatta cgagtgcact ttgtgagaga ttattgaaaa cgcataactca catttagggt 120
taatgcagat tcacggcttg ccagctggac tttaagagag atgataactc caaacatcta 180
atatccgtat cttctatgta tgactaatgt actcaaacgg tgccctctta 230

<210> 34981
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34981

ttnnccgttg gcacnggatg nggtgccacg gaggacacaa actttttgac tggatgcaag 60
ccttcactcg actatatctc tattaccgac tgaaacgggc tggatgtgga tgcatacggt 120

agttttatgt atcgtttcttc taaggctatc ctcatctgaa ctggtactta ttcacaatgt 180
 ggctgggtag atatgggaca cactgacggg tcatgtcccc ccagagtctc cgatattaca 240
 ctcactcatt caactgctac tatattcatt ataaatcacc caataaacgg catcttgccg 300
 tagaatata 309

<210> 34982
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34982

agcttttagt atganatcaa cttgatgac tatgcttggt gaaggtggca ttccatgagg 60
 agtctacttg ggaaagacat cttcttattc ctgcgataag gagtgaacac tatgagaaac 120
 ataaatacgt aactgattaa aattatcact ctctctatct tgtatatgac ttcattctctc 180
 aagcgtatca ctcttccttt ctctatccct ctgtgatgcc tactattgtc actctcttgc 240
 tctctctttt ctatccttct gaatgggcta tcacacactt ctctaa 286

<210> 34983
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34983

tctcctatct gtaatggagt ggggtacat tactggaaaa ctggtatgag cattgttata 60
 gaggcaatag atttaaatgt ctgggatgca tttgaagtag ggccttatat tcccaccatg 120
 gttgctagga atactacaat agtaaagcct atggaagatt gcagtgcga agaaagaaga 180
 ctaagacaac acaacttaga attcagcaac atattttcat ctgccctatg aatggatgga 240
 tactttangg tattcaac 258

<210> 34984
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 34984

agcttgtcat caagttcttg atacaagaac acatatggat ggcggtatat attaacttgc 60
atgggctgta tgactgcaac atgattacac tgaatttgtt gtagtatgac cacaacaagt 120
tatggaacaa aactcagata taatttctta gaagccatta tatcatgctc taattaaaat 180
tgaagctaag cttctataat gtgtattaaa ggtattatta gagaattata tgaattaact 240
atgtgaaact ttaatcttga ttgaagaacg aacatcaaaa tttgcatatt aatcttatcc 300
tttttgatag attgggttatg gtgctattgt ttaaacaatg a 341

<210> 34985
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34985

tatagaatat ataataagat aacaatgaca attgaagaat cgattcatgt ttccattgat 60
gagtctaattg ctatttctcc aagaaaggat atttttagata atattgcaga atcttttagaa 120
taaatgcaca ttcatggaca agattctaaa ggaaaaggag aaggaagcaa tgaagatcct 180
ccagtagaag tcaaagcaaa taatgatctt ccaagagagt ggaaagcttc aagagatcat 240
ccncttgaca acattattgg tgatatctca aaaggggtaa caactagaca ctctctcana 300
gatntatgca ataacatggc ttttgtatct atgattgaac ctaanaattt aaatgaagcc 360
ataatagatg aaaatggata atagctatg 389

<210> 34986
<211> 374
<212> DNA
<213> Glycine max
<400> 34986

ctcggaccgc ggatcctctc aatagactgc agcatgaagc ttttcattat ttgagaataa 60
gcaaaaacct caatgccccaa catatataac cttctcttct tgctgggatg tgctctctcc 120
tgctatgcgt cttcttgctg cataacacct ctctctcttc ctcttcgata atgaccactt 180
cacaatgtcg tcgaagtctg acccctccca ttgacgtttt catccgcata accgatggcg 240
aggctagtgc gacgagtacc cctccacagc gtgagaatga agagaacggc tgagagtctt 300

gatccgtcga gcgagaagat gagcataaga agagaaatga gcgatgtcctt acggctgatt 360
caaaataaca tcat 374

<210> 34987
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34987

ctaanatttg aattaaaaca ttcagaaact gctggtaatc gattaccata tatgtgtaat 60
cgattacata gtgcaaattt tgaattcaga ttttaatagc tgttattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagttaaatt tcttgaaaaa 180
gacttttttaa cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat acccttttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctgtga gacgcatgtg aacctttggc atatcaaaac 360
attcagcttg atcctttgtc tacatattgg gtagccatga atc 403

<210> 34988
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34988

tttgttggct ggacgnaccc acgagtgcgc atatacgcgc tacaggtcga gcgtgcggta 60
cctcgtggga gtccactca tgagtcgact ctgcgcgcgc attgcgtcat cttcgtacgc 120
atatattagg actacagact atcataccac cactgtgaga ttcgttgact acatctcatt 180
gcaacgcatg gccacttgta tatccaaggt atcatacctt tcaccgacat gtgttataca 240
accatccaag ctattcctga tattacgaat aacagaggaa tcttatccac acatgtccat 300
ctacatcaac atgtctagca ccattgttca cacaggaacc aactgctctg tttgttaacc 360
acgatgcatg acccgctacc tatatatatg atcgttgaca gaacaaaggt tcagaataca 420
taggatgttg cgtgtcatgg aagagatgaa tacgtggcat antgcaatga cacattaatc 480
ggatgcctat tctgagacaa tgactaactg gccatccatc t 521

<210> 34989
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 34989

gatggtgect actcctttct ctcatacttt gccttccact gcatgagcat ggaggttata 60
 taccattgca cgaccggatt tgagctttga gatgcttact gcctatgagg atccacacgc 120
 aagatcccat tgataccctt ggtgggtagg attgcatcgt gatgtgacta ctttaccttt 180
 agacaaagcc ttgatttatg ctcgttatcc ctatctttac tacttgtgct gagctggaat 240
 acatatatgg cgattcagga tgtgcccctg atctgtgttc atcttcatac gctttccata 300
 cattagcatg gacctgttca at 322

<210> 34990
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 34990

ttcttgtgac tcttggccat atgttttata aactagtcac ttataatgtt gagacttttg 60
 aaagaatctt cagaaacaag acacttagag aattatgact tttggaaatg aatttttcga 120
 aatcatacac tggtaatcga ttaccattaa tgtgtaatcg attacacatc aacatatgtg 180
 actctgcatt ttgaattttg agaagtaaaa cgttcaaagg ctcatgtaat ctattacaag 240
 g 241

<210> 34991
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34991

gtttatatga cacactcgtg acatgccacg atgtatgttg tactatgcct ccaagcgcat 60
 gcagcgacat aacaaatgag taaataccgc togtatgagt gcagagagtt atgtgttgaa 120
 atgagccoct ttgtcacat catactgctg caaagcatgt gcatcgctg ctgtgggtatt 180
 ggac 184

tgtggtatatt atataacttc aaaagtttct atattctaaa attattgtca cttttgaata 120
tattaggaat acacttgagg aatatggatc tactgaggag ttgctgagta tcattaatgg 180
gtctatcaag tctaccaatt cacaaattca ggtaatcgac aataacttat ggntataatt 240
atatacttga tgtttttttt ttattttctaa ttaattattc taaaaataag ttacaccaag 300
gatatttttt gcaaccatta tttttgggag ttcttcccc atcaaaatat atgtgcaaga 360
gaggtgtgaa aaactcaagg caaataatat ggggagatgt agaccaatat tctaaacata 420
ttanatgtag aggatgtgaa tcttat 446

<210> 34995
<211> 302
<212> DNA
<213> Glycine max

<400> 34995
tacgtaagat tgaaagaaac atacatatat atttgaaata atttatattt aaaattataa 60
gggatTTTTTg cataactaat tcaggtagaa tttagatata taggagggga aaatttataa 120
ttataaagaa gatacacata attaatcat gagaatttaa atttaacatt tttaaagaag 180
ttaataatga tgagtgtaga ctaacgttat tcataagata cttctatact ctaatttcat 240
tcatacgact ggagcagatg attcaaaaca tgagaactta ggtgcaacat ctataataat 300
at 302

<210> 34996
<211> 139
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34996

agcttaagga gtgggctcgt gaaataggct atgtcaacta tttacaata aagaanaaat 60
taaagccgga ctgaccctag cctagatgat tntgtgggtg tttcttcatg tgaattttga 120
gcattgctat gcgcacca 139

<210> 34997
<211> 277
<212> DNA

<213> Glycine max

<400> 34997

tataactcgat tctctgaaca ccgggtcccg gtcaattctc ccaagcttcc caaacatcca 60
aacaaaacga cattctgacc gcacaagcta tcacagccaa gcaaaacaga gcataggcag 120
aaaactctgc caaaacacca accaaatcac agcttttctc acttatagac cccagtaaca 180
attccttcgt tccggttcat taaccattgg atcgactcga aaatgttact ggagatctct 240
aatacttaag cctacatttt gaccgctggg atctact 277

<210> 34998

<211> 359

<212> DNA

<213> Glycine max

<400> 34998

agctttgatg ttgttagtcg tcatttggat gtcgagagtg tcatcttggt ggattctgag 60
aagaagatca ataaaatctt ggtcctctaa ttcagctcca tcttcttttg caattttggt 120
cttttcttga tgctctctga tgatggtttc caggaccttg tcaacctgct tgtgcaactt 180
cttcaatctg gtcacttttc cagttaggaa atataagaat ggaattgaag gatagacatc 240
atcaaggctg aatcctcccc cggattctac gatttttcgg atcaaagaca ccacaaactc 300
atcttgctcc ttgcatatgc caccgactgc tatcctgtaa atagaggctc atatcaatg 359

<210> 34999

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34999

tgaagaaaga gtcatagatg cttttataaa atctataatt tatagtttgt aattgcagta 60
ggtattattg aactcatcac ctacgaacg aattctatta attattttta tacgggtaat 120
tctttggaca taaaacataa taacttgcac ttgaaggatc aaatcagtat aaagtaaaat 180
aaaggaggta aataaggaga aattgtttat ctttgaagga cataatgaga aattgttaag 240
aaaataatca aataactactg cccagttaga tactttgact tggtgcccaa cagcaattag 300
agtgcacga caatttctat tttgacttag tgtgcatgtg caacagcaat tatagctttc 360

aacggtcaag gttctcactg ccacattaac tattgttgac caagtggcac ttatatatct 420
acaatagtat tacacantat agaggagtaa cgatgacat 459

<210> 35000
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35000

agctttgagc atattcaaac gagaaataaa tttgactcgg atgtccgatt gagccctgta 60
atatatcgag acgctcgtaa ttgaaaactg aagctttgag cacattcaaa cgagaataaa 120
ttntgactcg gatgtccgat tgagccgtaa tatatcgaaa cgctcgtaat agagaacgaa 180
agcacgtagc aaattcaaac cacaataaat tttaactcgg atgttcgatt gagttctata 240
atatatcgag acacttgata ttgaaaacag aagctctgag cagattcaaa cgacaataac 300
tctntactac gatgttcgaa tgagaccgt atatatctag aatctcgt 348

<210> 35001
<211> 322
<212> DNA
<213> Glycine max

<400> 35001

cttatgaacg attctggttt tctaaacctt gaaaacttgt acttttcattc cttttcattc 60
tctttctcct ctgccatata gaaggcgcca aggactaacc gctgaattc tttttgtgaa 120
caagagatgg cacatctctt gtggatcagt tctagtggag ggtacatcca ctagggtttc 180
aaagagaaca agggagggta catcccttgc ggatctttgc ttgtaataag attcttacia 240
ggttgaaaga gattccaagg accgcaggtc gctttgggac tggagggtatg cactgggttg 300
cgctgaacta ctgataaaac tc 322

<210> 35002
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35002

agcttatgct cttattgtac ctgtatcttt ctttcattnt gaatcatctc aagtttcatc 60
 ttcggagcat aaatagggac aattgttttt caataaatca attcatgaaa tgtcaactac 120
 aggttagatta ttcttacttt tacattctac attgaataaa caacatctgt gaattataaa 180
 ccttatctaa taggtttgag aaagcttatg gatgatatga aaacttataa tcccaccgat 240
 aggggttctt ttacttatct tttatcagnt agttcagata cattactcga tgaagaaaga 300
 atgtgtagtt cttaacttat tgcttgaaag ctctnttata gacaagtctt ttcttatcac 360
 atcggacaat gaactataag cgattattta gttcatatct tttaaagaac attcat 416

<210> 35003
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35003
 tgcattgattc acattctcca cctttgtcaa gcatattctt ttttatatca tcaaaacctg 60
 catgattttac attctcccc tttttgatga tgacaagcat tatccaaggc ttgatcttta 120
 tgacatcatc aaaatcttca tgattttacat tctccccctt tctgatgatg ataaccacct 180
 ataagttatg agcaacaact aagaaaacat atctatttgc atatagatta ctcccccttg 240
 gttttggaat ggttgcttat atgaaacaat tgaagatttc atatttttca tatataaa 298

<210> 35004
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35004

agcttgtagt attatggngt acccatcaca tgtgggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag tttttccaca tccacaatgc gcgcataaac ccaccatccc ctgtagccca 120
 cctccaactg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180
 tccccatcaa tcttcccaag cttccccaac atcaaagtaa tacaacattc aaacagcaca 240
 aactatcaca gccaaagaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctn ttctcactta tagaccccag taacaattcc ttcgttccaa ttcgttaacc 360

gttgatcga actccaaatt ttactggaag tctctagtagc ataagcctac attntgaccg 420
 ttgggatcta cta 433

<210> 35005
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35005

tgtaggatta tggngtacct atcacatgtg gtcctaggtg gcggtcgggc gatggtgcag 60
 aacaagtttt ccatatccac aaagcgcgca taaaccacacc atccctgtt gccacacctc 120
 atctgagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc aaaacatcca aacaaaacga cattcaaacc gcacaagcta 240
 tcacagccaa gcaaaacaga gcataggcag aaaactctgc caaaacacca accaaatcac 300
 agcttttctc acttaaagac cccagtaaca attccttcgt tccggttcat taaccattgg 360
 atcgactcga anattttact ggaaatctct aatacttaag cctacattnt gaccgttggg 420
 atctactagc ataca 435

<210> 35006
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35006

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 ttaacctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaa 120
 agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
 gggtgccaat tgggccccta ttacaacttg aactaaacct aactaaagtc ctttttagttg 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctataatt gaaacaaagt ggtgtcattt agtcctcctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tgngcttgta ttcaaacagt 420
 atggacagca c 431

<210> 35007
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35007

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caaagggaga aagaaggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
agaaagggttt ccgaaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
agtgccttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
tagttccacc ttcaatgtct ctgatttacc tctttttgat gcagatggag aattcgattt 300
gaggacaaat ctttctcatg agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga aagccaagga 420
agctcttcaa caagtgcgtg ccatactatt tg 452

<210> 35008
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35008

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cttaggcact tctctctctt tcgaatttgc ttaggaaaat tgtttccgtg aataaaatcc 120
aagccgaggc gtttccgtaa cgtttccgta acgtttccgt gagtaattac gcgaagattc 180
atcgttcggt cttcattttc ttcagtcttc aacgggtaag tacctcagac caagcttttc 240
aattcattat atgtaccgcg 260

<210> 35009
<211> 176
<212> DNA
<213> Glycine max

<400> 35009

tctaaggatt atgccgcgta tctgggaatg tatgattgaa tgtgatatca gttgatttgt 60

acatagatat gtttggacca acttgaaccg 450

<210> 35015
<211> 338
<212> DNA
<213> Glycine max

<400> 35015

tagacgatag ccacgtctca gaataggaag catagagagt gctctcaaca agctctcaac 60
acgttggata cttgggtcac agacgaaagc aataacgttg acttcaagat ggtttatgct 120
atgaagaatg tgagaattat gaagtgtctg acttggaatg gctctcacia tagggattca 180
aatttcccaa cttgctagaa gcacaggggc tgtcatagct tgtgtatatg aggggaacct 240
tttgcccata atttgtaaaa gtgttctaca catgtgctaa agcagatatg gaaggagact 300
tgtactctac tgtcaatggg gcaaagatgg tcattgat 338

<210> 35016
<211> 246
<212> DNA
<213> Glycine max

<400> 35016

agcttgatgt taaatagtct accagcaaag gtaaccaaag acgatatcta tcatgtcaac 60
taaataattct gatctgcaat gtagttggac ccaagaaata ttttctaata ttcaccaaag 120
ttcctttttc taacatgtac aagagacaca taacttacct aaacccttgc catctacatg 180
gtctacttct gcacaggtga tcaattttat cactaaagca tacttaacag catatggttt 240
gagccg 246

<210> 35017
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35017

tgaagganaa cttgatgcct tgggtcaacct agtaactcag cttgccatga ataagaaatc 60
tacacctgtt gcaagagtct gtgggtctatg ttcttctgca gatcaccata cagatctttg 120

tccttatttg gagcaatctg gagtcaatga gcaacctgaa gcttatgtag caaacattta 180
 taatataccc cctccatagc ggaacctaca acaacagaat gattatgatc tttcaagcaa 240
 cagatacaat 250

<210> 35018
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35018

agctntaaca aatctttctt tatggngaatt caacctatgtt tgcttcacgt agttaacaaa 60
 cattgggtcat gttgagcaag caatttcaaa cttcataagg cagtcacaa actcttgctt 120
 agaaggacaa tccaccagac tttcccaggc ttccatgaca taatcccatg cattttttta 180
 ccaacaaggg ttttacattt ttccttcaca ttcttatcaa tgtgaaacaa acacaacaaa 240
 ttggtagact cagggaaaat agtttttact gcattcatca atgctaaatc tttgtcagaa 300
 acaatgactc cagagtgtgt gcacacgtc tcanataaat acttcgaaac cattcttgag 360
 ctcatacaac attgtttaca cgttctccct ccaagtagga aaaagcagct gaaaaagtca 420
 tccctgttgg tgtcacacca aca 443

<210> 35019
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35019

tcgcccctag ttgcgcattg tgtgtaaata catgatcctg tgtatgatga tcacggatac 60
 aaggcaacca gggaatgata ttgatgtgta tcttacacca ttaatcgaag acttgaaaaa 120
 attgtgggaa gaatgagtag atgcgtggga tgcaaattgt cagcatacat tcacattaca 180
 cgcaatggtg ttttgtacta ttaatgatta tccagcatat ggaaatttaa gtggatatag 240
 tgtgaaaagg catcatgcat gtcctatctg tgagaaaaac acaagcttca tccaactcaa 300
 gcatggaaag aagacagtat atacgagaca ccaaagattt ctgatagctt ttcaccctta 360
 ttgatgattg aaaaaatctt ntaatggaag tcaggagaat gaaggctccc cagaaccatt 420

66507-307460

aactggaaac caagttcatg atcgggtaaa ggac 454

<210> 35020
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35020

agcttaatac ccataatcac atctacagga ccaaggctct tcatatcaaa aatttttagac 60
aagaaagact tcacatcatt tatgaattgc atattactac caaatatcaa tatgtcatcc 120
acatacaaac ataaaatgac acatccatta tcatcaaatt gtttcacata cacacattta 180
tcagtattat tgattagaaa accatacgaa agaacaattt gatcaaattt ttcgtgccat 240
tgctttggag cttattttcaa accatataaa gatttaacaa gtttgcaaac tttcttttct 300
ttccccggtt ctacaaagcc ttttaagttgg ctcatataaa tttctttctt taattcacca 360
tttaaaaagg gcagttttac atccatttga tgaaatttct aaataanaac acaagcaagt 420
gcaattaaga ccctaata 437

<210> 35021
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35021

tgctcttagc cagctgaatg ttgccgagag gatcgaagaa cttctcctac atgtagccaa 60
ccttgagcat gcataaacc cttcagctc accatcttct tctcgcacca accccgcacc 120
aaacacaacc cataaccac caaaaatgaa actcaatgtt ccaaaattta atggcaccga 180
cccctctggg tgggtgttca aaaccacca attttttgcc tatcactcta cgctgaaacc 240
aaagcgctt accatcgctt cttcgcctat ggaaggcccc gctcttacgt ggttctagt 300
gatgaccgc aaccaccagc tcccgacgtg ggtggcggtt ttgcaggcca ttgagacgcg 360
cttcgcccac tcccatacg aggaccaac aggaatcctc ttcanaacta cacaacggng 420
ctcggntagc gattacctgc atcagttnga agctcta 457

<210> 35022

<211> 323
<212> DNA
<213> Glycine max

<400> 35022

agctgttcct tttcagcata ttcatatgtg acgcaaccta cccttcagcg ggagggcgac 60
gtgtgactca cggatgtgtg tttcaacaaa ggaatatgca cggagtcgcc accaacgtat 120
atttgaagaa aacgtctgac aaatcggatg agacgtgatc tacgaacttt tagtgaaaag 180
ctccggagtc gcatttacgc acggagactg tatttagcatc ccaactcgta atcactagag 240
atggcagcct tatctcagac gtgcaaatat gacttaagtt tatgactcct tccctttata 300
cattcttatg gcgtttttat gcc 323

<210> 35023
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35023

ngtctntctt tggccctata attggtatca caagattntt gtggctctgt ggccttcac 60
ttcaaaatta ggagtagatt atgcttgaat gaagaacatg tggtctgttc attaaatgct 120
ggattaatat tcacttgctt tacttgtgct cagtttgata ttggttctca agttgttggc 180
cagaaggaca cgtcaaagaa tggtctagac gtctggaaag aggtaacaga caccactctt 240
ttaaattgtc tatttcctat ccagtaattg cctaacagta ctactttaa tttaccatct 300
ttagcattgc gtgatattct ttgtgtagat attccacaag agaagaacaa acaagacgga 360
cagacaatct catagaggca agtcctttga atttgactcc ttgtactccc ttgtttcaaa 420
ccggtaggcc atattttact gttttactca tttctccatc 460

<210> 35024
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35024

agcttgcta tccgatgcag cagtaatgat ggcccagatt atgttgggaa atggttacga 60

acccggaatg ggtttaggca aagacaacgg cggcataact agcttgataa atgccaaagg 120
 aaatcgtggg aagtatggtt taggctataa acccactcag gcagatataa agagaagcat 180
 cacggataga aagagcgggtg gtcaaagctc gcgggttgagg caagatagtg aaggaagccc 240
 gccctgccac ataagtagaa gctctataag cgcggttctg ggagacgaaa gtcaagtggg 300
 cgcatatac gaagatgatg ttccaagtac attggaattg gtacgaacat gccctcctga 360
 tttccagctg ggaaatnggc aagtggagga acgccccggc atttacgcaa tgagcataat 420
 gtaaaccttt a 431

<210> 35025
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35025

taatctacat gtccaagcct cctctcccat tgaacccaac actatcacc aggcccttcg 60
 cgacctgat tggcgctcag ccatgcaagc cgaatctgat gccttacacc acaacatcac 120
 ttgagatctt gtcagtcggt cctctgatca aaatttggtt ggctgtanat gggtatcttcg 180
 aatctaacga aatccagacg gatcaattga tcgttacaag gctctgttag tcgccaaagg 240
 gtttcaccaa cgctctggtt gggactatac agaaactttt agccccgttg ttaaaccggt 300
 gaccattcgc attgtcctaa ctctcgcagt tcgtcaaggg tggcccatat gtcagcttga 360
 tgtcaaca 368

<210> 35026
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35026

agcttataat aatgaaaggc atgaatcana tgtgataaac tggctctaac tagaggggat 60
 cccttttatc aaattctcaa tcatagtaat aataggcgac aatagtagca tcttcccttc 120
 gatccggaga cgacgacatc tccctaaaga tctggtgatg atgacaacat atccacaaag 180
 atccagtgc aatgacaact tctgtgactt aagcaacttt aacagcacat tgtttgagcc 240

<211> 200
<212> DNA
<213> Glycine max

<400> 35030

agcttcagat atagatatat tggcactgca gactgagaaa gagcttgat ggagcttgta 60
tgacaattcc tatgaatagc attgtgagat tgaataccgg attacagaaa tgcataatcg 120
ggtttgcata ttgcgactac gagccttgtc ttcatactgt gtctcatgca cacacttctc 180
agttgtatct attataacct 200

<210> 35031
<211> 166
<212> DNA
<213> Glycine max

<400> 35031

tcaatattag aagcatttga atcaagaagg ccaagtaa atcttgattat tttcattctt 60
gctgggtgcat ccttacagcc agacagatat ctgaaaatca gaggcaacat ttgaggaagt 120
aaaaaatgac tacccttgct tctcaccctc tccacgtggt tatgtc 166

<210> 35032
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35032

agcttgtagg cctaggatct tctttatcaa tggactcctt tacttcttgg aagatgaatg 60
acagtggaat ggagaaggaa gagagagaga ggagatgcca cttcaaggag aagatgagtc 120
tagaaggagc tcaccaccat aggaggccat ggataagagc ttggaggaag aagaagataa 180
atgaagggag aggaagagaa gaacacgaaa ttttatgctt tacaagagct ctaaaatctg 240
aagtttaatt ttcaaatgat caaagttcaa aaaaatacac acacatgacc tctatattata 300
tcctaagtgt cacacaaaat tggaggaaaa tttgaatttc tattcacatc tcacttacat 360
ttganattaa atttgtggag ccaaaatttc actaattatg attagtggaa tttagctatg 420
gttcagtcca ctagtccaag at 442

<210> 35033
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35033

taaagtctca cgattgccat atcttgatgc aataattggt attcgtggcc atacgagaca 60
 tttttcctaa caaagtcaaa catgccataa ctcaatcgtg ctttttcttc aatgtcatat 120
 gtagcaaagt ccttgatcct gccaaagttag atgagctaga aaatgaggct accaatacat 180
 tgtgtcagat ggagatgtat tttcctcctg tgttcttcgg cattgtgggt cacttaattg 240
 ttcattctggt gagggaaatt aaatgttatg gtcttggtta tttgtgggtg atgtacccga 300
 ttgaacaata ctagaagatc ttaanatggt atacaaagaa tctacaccgt tttgaagcat 360
 ctattgtggg aaggtacatt gtagaagaag ctattgagtt ttgttcagag tacattgaaa 420
 aggcaaaact tgttgtgctt cccaagtctc gacatg 456

<210> 35034
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35034

agctttgaat ggaagaatat cccaacctat gttagtaaga gactaatagt atttttatgt 60
 acttcttgac attccccccc ttaacgtaat aatcaacaag aaacaaactt tcttcttacc 120
 aaacaaagaa gaaacaaact ttctgttgta cctctatctt tattttattg aggtaaccca 180
 gtactagctc tgatcacatc atcaccatct gatgggaagc gtaaattgtg atcaattgac 240
 aaatacaaac acgttatgtg atgtataaag tgtgaatatt tcatttataa taagttcaag 300
 cgggtgttta tctttttggt atgaataatc atatgcacaa tcttgagaag ttgangcacg 360
 aaaccatgat tatctaagat aactgacag aaataattga agtatataac tctttgatta 420
 atcatatacg gaaca 435

<210> 35035
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35035

tagcttgaat ctgacatccg tgtgaaaagt tatgaccatn tgaatttctc aagagcttcc 60
gttgttcaat ntcgagcctc tcgacatatt atgcacccga atcggacatc cgtgtgaaaa 120
gttatgatca tttgaatttc tcgagagtct ccgatgttta atttcgagcg tatcaatatt 180
ttataaccgc gaatcggacc tcaactgtgac aagctatgac catttgaatt cgacgagagc 240
ttccgttggt caatttcgaa tatcactata tgtgatgcgc ctaaattgga cattcgagat 300
aaaagctatg accattagga tgtctcaaga 330

<210> 35036
<211> 244
<212> DNA
<213> Glycine max

<400> 35036
cataatataa cgacacgctc gaaaataccg attgaatctc tcgtgacact caaaaagtca 60
taacttgcca cactgaagtc cgattcagtc gcataatatg acgagaggct cgaaattgaa 120
cagcgcacgc tcttgagaaa ttaaagtggg ataacctttt ccaactgaagc tctcatgaaa 180
gacaaatggg catacctctt cacactgatg tccgactcaa gcttataaca tatctatacg 240
ctcg 244

<210> 35037
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35037

agctntataa gcgcgggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
attccgagta ctttggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
aaagctctat agttgggcct aggctttaga gtttttcctt ttgttaaggc tttgagtctt 240
ttgtttttga atttataata caaggatctt tcttcatctg ttccctggct ctacccattc 300
tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gagtcccccg 360

aagtactaat acctgggacc cgtctatcga cttagagcaa gaaatgaatc 410

<210> 35038
<211> 343
<212> DNA
<213> Glycine max

<400> 35038

tatcagttaa gattatcaca gaccttgtat gcgtctcact gtcttcaaaa agatcatttt 60
tactattttg caagtcttcg taatctttat gtagaacaac atggtttgtc tgaagatcat 120
acctttcttc attaagctaa tcttgcaact ctttaagtac tttcaactta ttttgaacta 180
cctcaatctt tgtgtctaca tcatgagagt tctataataa gatatccttt tctttggata 240
gctgttcatt ttcaagttgg agcatgactt cggaattttg cctttttaca aatcattgct 300
tattgaaata gattataaga cctaccattt tttcttctta aca 343

<210> 35039
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35039

agctntgtct tttcttctat cttntctct caattgttct tcattcttct tcattctttc 60
acttttggtc caccattttc ttacacaaat ttogtggttt ctctattggg gatgatcatg 120
gaggggttaaa caattaatca atccaaggat ccaactgcaag caaagctgaa tttgagtcct 180
ggtttggttt ttctactctg tgtgaatggt cttctttctc ttcaatccta ttttcatttt 240
tcatgattgt gactatgttc atgattgaaa attgattacg ttatggattc atttccta 300
ttcaaaatnt aatcacagat tgtaggatg atcttncaac ataatttggt agttcaaaca 360
atthagagat ttgattcgat tgaacttctc taatgcat 398

<210> 35040
<211> 191
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35040

tacacaagca ttcatagtc caacacacac tcaacaaata gttatcatcc atccatagnt 60
 ccaatcaatc atgctcagta tgatgcatgc acctaacctc aactctcaaa tgcaatgtgg 120
 taccatcccc aaggaaatag cctaagcgtg tccacacgac actctcactt atgaaaacta 180
 tgcagtaagt g 191

<210> 35041
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35041

agcttgcagt atattcacac gagtcaaaag aaactgtatt ttactgtaac ctcgagtga 60
 tatacagtat attaacttta ggctaccata aaatcatttt ctcttgaatg atgatata 120
 ctcagcacat ttgtagaatc tatttttagaa taaaaaaagg gaaagaaata tgaaatgtgc 180
 atgatgtgtg atataataaa aagagatgac atgacagaca ttactctata aattagtgt 240
 tgtgtcc 247

<210> 35042
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35042

tattgttccc actaagtcta tgcctcacgc tgagagcctg gatgagctaa gcatgcctct 60
 tcagatttct aattatgctc ttttggactt tattttactc attaaagcatc ataaattcat 120
 caactnttaa tgttttctac gcaaaaactt aaatgatatt aaaataacac ttattagccc 180
 acaatagaat atatatgaga gaacctcacc tacattgatt aacctcacta ttcactcata 240
 ttttaactcc aaaatacact ca 262

<210> 35043
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 35043

agcttggatg aagaatgaga tgaatgaagg gagagggaga gaagagcacg aaattgtgtg 60
 ctctaaaaga gctctgaaat ctaaagttaa tattcaaagtc atcaaagttc aaaaaaatgc 120
 acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aatttgaatt 180
 ttaattcaaa tttcacttga atttgaaatt gaatttgggg agccaaactt tggagccaaa 240
 atttcactaa ttatgattag tgaatttttag ttatagttca gcccagtaat ccaagatcaa 300
 ttccaagatt ctccactaag tgtgcttaag tgtcatgagg catgtaaagc atgaaagaca 360
 tgcacaaaat gtgactatat ga 382

<210> 35044
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 35044
 tataagaaca gaattgcctc aatcattgcc aaatatgcat gttaattatt aagcatcaac 60
 aagaatcaat ccaacgctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
 tgatgatgga tggctcaaat tctcaciaag gtaaaactcat cattttcaaa ttgagatttc 180
 aaaactatca tgacatgtag aggagaatcg aggatttcaa gtcacagaat gtcaagaact 240
 tttattttca aaacaattac ccatttcttg aacatatcct ataattcaaa gaaaaacatg 300
 caaagtcgta catgcacaca aattgaccca aaatattaaa ctaaaaattc gacgaaacta 360
 acaacattaa caaattaaca aaaccaacaa aaatagcata accaaagaac actcctcccc 420
 ctcatactta agcaacacat tg 442

<210> 35045
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 35045
 agcttggaaat gtagtcatac ctacacagaat atatataatt atgttttaggt agtgaaaata 60
 ccttatatat gcatgtatgt aacaaaaaaa tacttcacga aatatatata tgtatgttta 120
 ggtagaaaga taccttggat atgcatgtat gtagcaaaaa tacttcacaa aatatatata 180
 tgtatgccta ggaagcaata taccttgcac actcatgtat gtaacaaaaa gatatgtcac 240

aagatatata tatat

255

<210> 35046
<211> 180
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35046

tccacttatt agtgcacagc tccttcaaga atttagcata tcttgtaatt tgctntattg 60
catccagcag aggtatgttt acctgtactt ttctaagtat ttgcaagatc tctntctctg 120
cctcttccat ttttttggtg gaaactgctt ttggaagaat ggaacaggaa ggatgtgctg 180

<210> 35047
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35047

agcttgtaca tctctgtttc tctacctttc atcacanacc ctggtggttg agtgacaaaa 60
acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtacttcc 120
cagcaattga agctagccat tgctattaca agtttctactg tttccaacct agcaacaggg 180
gcaaatactt catcataaac cagaccttgc ttttgcaaaa atccctttgc aaccagtctg 240
gctttgaact ttgttacttc tcctctacga ttcaacttag ttgtgtagac ccattctact 300
gctatggctt tctttcctat tagtagctat gtgagactcc atgtcttggt tctctcaata 360
gacctcaact c 371

<210> 35048
<211> 367
<212> DNA
<213> Glycine max

<400> 35048

tatcgattca tactatgtac cctcggtggt gcacattgcg tttttcgcat atatattctc 60
gacttgttta ctctttatac cccctgttga cgtgcttaag ccagtttgct taagtcatat 120
ctcgcttaac ttaaaaataa aatcaatttt caccgaacgc ttgaattgta ttatgcgcta 180

acttcgggta tgatgaattc cgaccagtcg gtcgtgagag taccacgttg gaaatcaata 240
aagatgtata atatagtatg atcatcacia caacatcttt tagtaaaata aagcggaaga 300
tcaatcggac gttatctcta tgagattcct cattcttcat ccgaatgatt aataactaaa 360
gtgaaac 367

<210> 35049
<211> 229
<212> DNA
<213> Glycine max

<400> 35049

agcttattca caaatgtgtt gattgggttc cataatctag atagaggatc gataaaciaa 60
actatggaga ttagtgtatc ttataattac ctcaacagtg gccatttgga atgcaaagag 120
ggaaagtcac aatatgatga agtatgaact atgaaggaaa gtcggaatt aaagacagtg 180
gttgtgactt tacctctagt tgaaagaggt tatttatata tgatactat 229

<210> 35050
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35050

ntgaacttgt atcgctgcat tacggaccta tgcttactct gcttgatgac tcatgacaca 60
cttgatttac aatctctgag ttcatagtgg ctggaaatac ttatgccgat cctttaggaa 120
tgagtccacg tataagaaca gaattgcgta cgtgctctag ctgtttgtga cctaataaaa 180
tccatggcat gatctagtga tggattacac tcttatggca tgggatctct agactgtaaa 240
ctctcttttg ttaaaggctc cgtacgcacc tcatgctctc tatgcactat agactttctc 300
gataaacactt ataangaatg agtaaacact atacacatgt ttctggagcc ttgtatcaag 360
atcgagggtt acgcatgtcg ttaccagtat actgacatga gatgctcact attgtataga 420
tgtccgataa atgtgatact attatgacac ttgagacgtt ttacagttg cgagagtttn 480

<210> 35051
<211> 435
<212> DNA
<213> Glycine max

atcaaagaac aactcaagtg aatcaaagaa catctcaagt ggatcaagaa caagtcaaga 180
 gtccaagaat caagaagaat tcaagactca agaagaaagc ctacaatcaa gaatcaagat 240
 tcaagaataa agaaaggact caatcaagat aagtattaaa aagtttttca aaactttgaa 300
 tagcacatga gtttttgaca aaacctttac cacagagtct ttactctctg gtaatcgatt 360
 accatattgc tgtaatcaat taccagtagc acaatgagtt tgaanaagtt ntcatactga 420
 atttacaaca ttccaattat 440

<210> 35054
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 35054
 tgcttgtgga gcttctatgg aggttggatc tttgagcttc aatgacgtcc ttcaatgggtg 60
 atttttcacc atggagatgc agcgggaaggc aaaggagaag aggagagggg aggcaccatc 120
 cactacggaa taatccaagg aagaaggagc ttcaccacca agaattgcct tggataaaaa 180
 gcttgatgac gatgctttaa tggaggaaaa gaaagagaga agggggggagc acgacattga 240
 tcgaataaaa gatggaaag 259

<210> 35055
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35055

agcttgagat gatgaagtgt tgaagggtga aacttcctac ttttattggt gaccacagag 60
 tggtagctgg agatatgtcg cggaggtcat gagacctgtt ggacgtcagg tgggggtgcta 120
 ttgcctaaaa ccaagcttga ccaatccga cccaaccga gcatagttgg tcagtgaagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggaagtcaac agataaaagg aacaaagacc 240
 acaaagcaag ggggcttgtg gtggctggcc agctgtgaat tntgtgtgat atatgattat 300
 ggctctggt aatcgattac caacggtggg taatcgaata caaggcttaa nattgaagac 360
 aggaggctaa gatggtctct ggtaatcgat taccacgggg tggaat 406

<210> 35056
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35056

ntatacaagg gagcaaaaga tacaagtatc attcaaggta agctatttgg tcaaaagagc 60
 ttgtgtctat acaattcatg gccttcatca tgttctgagt tatacaaadc attctataat 120
 tcctaagcta gttttaaaag ttgtctatcc tatggttgac caaaataaca aagataagga 180
 tcatgaggaa cttatttggg tgcgtgatac aattgaccta atgtagatgt tggattagat 240
 gagagagaga gagagagaga tgatatgggt tatgcagaat tctccaactg tccctacact 300
 cagcacttgt cattgtgctg aagttacact taaccaatgc tttttcgacg ctcccgttta 360
 gcgaacgctt tgctaagtgg ga 382

<210> 35057
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35057

agcttgagag ttgagacata tgtcatgtgt caaccttgct ctagacttct aattatattg 60
 ctccctcact ttttctgagg taggacaaac aaatgcttag atgtatgggt tagggttatt 120
 gttaggatat aaagagaagg gaaagttagt ggcgaaccgc aaacatgaaa agagaagaag 180
 gtacaacgct acttgaaaga gggtatcgaa ataggctaata ttttaaaaga aattttgtaa 240
 ctaatctttt acattgattc ttaaaaaaat ctgataaaaa aaatcaggga agtggttgat 300
 gcgtgtccag ttgtttggag aagtgtctgt ggcgtgtcca agcccaaaan gataattggc 360
 actgcaaat gtgccacaca atgtccgcac gtgtctatga gtgtc 405

<210> 35058
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35058

nttgtgtgaa aggatgtgac tcttcacatt tgaatatgaa tttcaacgtt caaaggcact 60
 ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacgtt 120
 gcaaattcaa tttgaaaact ttttcaaaac aatttttgcta ctagtaatcg attacaacaa 180
 tctggtaatc gattactaga gagtaaaaac tctntggtaa aaggttntgt caaaaactca 240
 tgtgctattc aaagttttga aaaacttttt aatacttatac ttgattgagt cttctcttca 300
 ttcttgaatc ttgagtcttg aatcttgatc ttgattcttg agatcttgaa ccttgaatct 360
 tgattcttgt ctctagactt tcttcttgag tcttgaattc ttcttgattc ttatcttgaa 420
 ctcttgaatt gtgc 434

<210> 35059
 <211> 158
 <212> DNA
 <213> Glycine max

<400> 35059
 tagctattgc tgtagacagg atatgatatg caatccggga tatatctacc tcaaaggtag 60
 atgatgcctg agccagtcac cccatttaac ccatgcacat ttatcttgat cagtgtctcc 120
 accaacaacg aacctactct ggataacccc cgagtggga 158

<210> 35060
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 35060
 atatgctccg ttgttgtaca taataatata aggttttata ctactagaaa agggaaatca 60
 ctacgatcaa tatattgggtt gattgattag atgtcaaacg actccattgc cgtcactcca 120
 aaatcgttaa gtgactcaaa tccacattac gtacactttg acggagtgcc tcacaagata 180
 ttacaataga ctggatgagg gctcatgagt gatcacagtc tgtcaciaag agacaagcga 240
 tctgagatgt ccacagagaa agaaccagct aacaaataat ccaatcagac tctctttgca 300
 ggaatgggaa agaattgtctg agcattacac aa 332

<210> 35061
 <211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35061

agctntanga gaaaccataa aaactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
ttcgccaagt atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc 120
taaacgaaaa attaggggaac ttagaaaaac taaatcctta actgaaggcg taggtgacaa 180
tcatagtga ttaactaaaca agatcggtag ttactttaag gtcattccag atactcccca 240
agcctcgga aatacttccc aaatggtaac aagaagtacc tccaaattaa ttaatgttat 300
taatgaagat agtgactaan actcagatac cacaactgag ataggggtcaa tgtcagaaaa 360
gaatataaat ccaattaatt ccaaactg ganaacaccc tnncaaatat attatcaac 419

<210> 35062
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35062

ntgtggttac tgtatcctaa ttgccacatc tgtctataac agtctatata actgctgtat 60
aagtattaag gattgaaggt tcattacatt gtacaattca ggatcaagtt tgtttatcaa 120
cctttatcat gaaaatctgt gtttgttcat tgacatgcta cttgattgct tactgtacaa 180
gattctctcg aggatgctca tacaactgat tgtttgcang tctcttttgg tggagggtatt 240
ggtgcctcgc atgttcatac aataggtctc agcttta 277

<210> 35063
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35063

agctntntgg ttntaaatga aagggttttc tctttatcta ttattttatt caagctatgc 60
cacatgtctc catttgagtg gagcaagaag ggcccacttt cccttttttaa ttgtgactca 120
tactcagcca caaacagtga gaaaaatctg acctttgaaa cgctaaaatc ctgcctcggg 180

ttgcatgccg tttctctggg tccagttcct cgcgtttctc tgcgtccgtc ggggccagtt 240
 ttcgaaagca agcaatatat atatcaaac gctcagaata aaaccccgag cgtggntcag 300
 aggttggttt cgttaaattc taagtcgcac ggcaaacgat gaattttnac taattaatta 360
 agaaataacc cataacctcc cagttatgga tttctctctc ttaattagcc taacccgcgt 420
 atcttgcccn cactactcct at 442

<210> 35064
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 35064

tgaatgagag cactaacaac atttcttct cttttgcaa tgttgacact tcattatgga 60
 cacagccatg gttgcttcaa tactttatat tcacgtgaat cccaatatat ataccaattg 120
 acgcggattc cttctgaacg ggaacggacg tttcagagca tcaccgaact gttcaagagt 180
 gacatcagca tctgcctcga tgaacatgac ccgcttgaga gtctatctca gataggatct 240
 tactctcgcc attattgggg atattagcta cagatatgtc gtgtgactca tggaagatgt 300
 gcagcgctat tgtataaaca tggaatcgac aatatccaca tgtgtggata aaaatcttgg 360
 acgcccacca gatccta 377

<210> 35065
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 35065

agcttgtctc attgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
 caagaagaat taaatctagc cacggcccac aagtacaaag tggatgaacga gtatgcccga 120
 gtgtatgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggaaaca 180
 atgtggatgg accgatttgc tcttactttg aacgggagta aagaacttcc ccaattgcta 240
 gccacggcta aagcaatggc ggacacctac tccgccccca agcttctcag ctcgtgctag 300
 ggactcttcc aattcagcac ttgtacaacc tagagcgccc gcgcccattcc agagggaggc 360
 cccccaagct ccggctccaa ccctgactca ctcggccagc aacgccc 407

<210> 35066
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35066

tgaaggtgtg tagcccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60
 tgggtattatt tttttctccg tcattgaggt gccacttgag ctgccaggac tctccacctt 120
 tgggogtatt cttttgaaag attcgtgccc cccttttgca catgttctgt agttgcatcc 180
 tatctgaaga cattatactg aactgccta acgaaggcaa ccactagggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccaggt aagactttct 300
 tggaaggaat gtataagcaa ttctcatct tttgcgtatg cctccatctt ctgataatac 360
 atctttagat ggttcttgga gcaagtagtc cccttgtagt tgtcaaagtc cagcaccttg 420
 aatatgggag gagtgatgat 440

<210> 35067
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35067

agcttgtgac tcatagttgt gctaagccat attctgcccc tctgngcaa tatgacaacc 60
 attttggggg atagaggacc ggtggattca agccactag tggacgactt cacccaactg 120
 gtgggagttc tcagccagtt aacaaggtgt cttaatctgt tggtagaagt ggtggtggtc 180
 ctgctactgt gtctacacca ctccggtgtg ggaagtgtgg tcagcttggc catattgctc 240
 attagtgcac agatagagag gtgacttact ttaactgcca aggtatgggc cacattagca 300
 ccggttgccc aaaaattgat cttctaggga ttctacaca tgtntattct aatccccgag 360
 cacaagtaac tcaccttta tcttgatgta gtcgctcaag tgttctctat tagcaatggc 420
 gacatttctg gtgctctaga gct 443

<210> 35068
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35068

nttgtgaatg tatgtataca tgantrrtgat gatgccaaag ataatcgtct tctcaagtrrt 60
gatccaagtc aagaattcag aaattcataa aataactccc cagagtcaca actcttcaga 120
aaataactcc tgagagtcac atctgttcaa gagatrrrttg aatggacatc aaaggcctat 180
aaataggtga cttgngacac aaaatgaatg agagagattc caagagaact tcattctcaa 240
atgctctctc aaaagaaact cttgggcaaa cacttgcaaa tccattaaga gttcatccat 300
ggacttcaat tgtaatatcc ttctcttcaa gagagaattc atcttctttc ttcttataca 360
aagagattga ttaagggacc gaggggtctct taagttgtaa ggattcctga acacaagggg 420
tgggtngtcc ctgtgt 436

<210> 35069
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35069

agcttcaggt tgctcattga ctccagattg ctgcanagaa ggatagagat ctgtatgggtg 60
atctacagaa gaacatagac cacagactct tgcaataggt gcagatrrrtt tattcatggc 120
aagttgagtt actaggttga ccaaggcatc aagtrrttccc tcaagctrrrt tattttcagt 180
agatgaagat gaatccgtgg ccacctcata gactcctcta aggacaatag catcatttct 240
tgactgaat tgttggcagt tggaagtcat cttctcaatc aaattcctag cctcaacagg 300
agtcatatca ccaagggctc caccactggc agcatcaatc atactcctt ccatgtagct 360
aagtcctca tagaaatatt gtagaacgag ttgctcagaa atatgggtggg gaggacaact 420
tgcacacaat ttcttgaatc tt 442

<210> 35070
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35070

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 gggccatcaa atctatcatg tgttgacagt aattgattag cccatgaatc tcctcggngg 120
 cagtacacac ttcggccatg gcttttgctt tggctaatag acgcgggagg tcttgactcc 180
 cattcaaggt caaggcgaat ctatccatcc acatagtcgc ttcttgatgc agcgcacaa 240
 tcaccctccc tcttgcttct ttntcagcat acacttgatg aaaatcctcc actagctttt 300
 gttcatgggc catggactag ttcaattctt ccttgatcgc cctatgata gccaacatgc 360
 tttgctccgt ggcttcaagt gttgagccaa actccttttg gacttgcgca agcaactaac 420
 tcttctttta agatcatgcc atgcacccg 449

<210> 35071
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 35071
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 aaattcttgt agcttatttg aaataacatg tgcaaagggt tgggactttg ttatttgttt 120
 aatatgccag agtacataag acaaaagaaa agttaatggt ttatctgaca agcgtttcct 180
 gtgcattatg tatgtagaat acagatgatg ctcaagattc ttaccataaa tgcattcct 240
 atgtttggcc tatgggtgcta tactgtgagt agtatttaga tgtagtata ggcccacagt 300
 agat 304

<210> 35072
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35072

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 ggacaaggca tgaatggaat gtacatgatg tattgcagct tggaccaacc tatcgtctag 120
 cattgacacc tcagccgagt gtatcaaagt acatattgag agctcacttg aagtctgtct 180
 agcacgcctg ataggctatc accgataaga agatttctct aaatactatg aattaaatgg 240
 agaattgggt agaattccct tcccaccac acctcatgga ctatggtnn ggtattgatt 300

accgaataca ttgtaattgtg aaaaccatac ataactaccg cgcgctagat tttgtctca 360
tcgaggtata catccacgct ttctcatatc attatggagc tccctgtgaa tattggacat 420
atacagagct gtgcgggcca gacctatata tttatctgc 459

<210> 35073
<211> 197
<212> DNA
<213> Glycine max

<400> 35073

agcttgatat gatgaattgc tgaacggtga aacttctgc ttatattggc gaccacagag 60
tggtacctgt agatatgtct cggagggtcac gagacctgt ggacgtcagg aggtgtgcta 120
ttgccccaaa ccaagcttga ccaatgccga cccaaccgg gcatactcg tcagtggagaa 180
cctgtgatgt acctaata 197

<210> 35074
<211> 301
<212> DNA
<213> Glycine max

<400> 35074

gtgtctatac aattcatgac cttcatcatg ttctgaggta tacaacacac tctagagact 60
caagaattat gccgagatca ttattcacag atagtcattc actcacagag taagggtcaaa 120
ctctcaccga gttttgggtc aagctcttct ttcacaacta gtctatctag tgactaacca 180
ttctattata agctcacact cttgctcttt ctttgtgtaa catacacatt tgctcaactc 240
atgaaaagaa acaccaacta ctttccaatc atgcactcca ttctaaataa agacatacac 300
c 301

<210> 35075
<211> 419
<212> DNA
<213> Glycine max

<400> 35075

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aattcatcaa gttcatcatc actggtatat aactttttga gcacaaatga cccagttctt 120

agtgaagttt tgtttccac ttcttgtagc ttgccacaa ccgaagaagc tggaggtggt 180
 gcatagagcg tgaaaccagc aggacatgga aagcttgtaa tggccccttc accatcctga 240
 atatcctaaa ataagaaaat ccaataaaac aatccttatg tggacataga atgtagacat 300
 tgcaataatc aactcctaca ccacagttct tatgagtcac gagacatgct agcaacaccc 360
 tctccgatat tctcttttag acattctttt actatagttc taacattatt agaaagtac 419

<210> 35076
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 35076

tcaccagtct gatccgtcag tgacagttgt taatcacact actatgtact ctcttatact 60
 gtgctctttc tccttgctct ttctcctttc ctgtaagggt gtcaaactca agagttgggt 120
 aaactcatgg agaaaagtaa acatgaatct aattttgtag aagtttacat gcattaaaaa 180
 ttcatttagg aaatatatct tagtaccocaa acataattaa atggcatatc cataatcgat 240
 attgaatatt caacataata aagcaaacaa aagtaatgaa atgaaaaaca tatctcaatt 300
 ctggaaaactg ttatattata ctagtccagt gaaagataaa aaaaaacata aaattagctt 360
 cataaactaa aatagaacaa aaggaaaaaa aatgaaaga taaaaaacat aaaattagct 420
 gcataaactt aatacaactc acagaata 448

<210> 35077
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35077

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 ttataatggt atatttacia caattaaaaa aattaacaga taaataaatt tatcatattt 120
 cttttacttt taaaactaaa attttaattt taatctttta aagacaaact tgtccaacac 180
 taaaacataa gaagaaaata gttattaaaa aataaaaatg aaagatcttt actcctgatt 240
 caatgattcg ggtcttaccg gcgtgaatcc tgattctgaa tctggaacag ctgctccogt 300

ccgatcggca tgtaatgttc tatcatgaat cactcactga catgtatctt atcattcgtg 360
ctactattat c 371

<210> 35078
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35078

tgnaaatcga ctaacagtag caccggtaat agttntcttt tgtgccaaac taatttgaaa 60
ttcctagtag ttcattgaaa tgaatttaatt tcctgtaaga ttgagacagg tttgattgca 120
atctttcaata ataaactctt atctgatgca aacttattga atgctgttta aataagatgc 180
cttgccaaca ggggttgaga aaaacagtag ttttaagatt ggacaagcta ggatccacgt 240
tgggccttag ctttagtgaa gcccttcata ctgggaattg aacaggactg tcgtgga 297

<210> 35079
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35079

agcttaactt catcaattat cttcataatt ccnctcgctc aagcactcaa gatgacttgc 60
tttagtgagg catgtcaatg tttcttgggt ttgattctga cttggcttgc ttaagcacat 120
agtatgcaac acttaagcga gaagagcttg gtttcttcaa taacttttcc tgctaaaact 180
ccacaaaaac atcaaaaaag tcctaaaaaa acctaaaatt ctagagttcc aatgtgatta 240
ttcaaaattc accccaatct taaggtaaaa caaggctcca tgtattagaa atgttccata 300
atcacctaca atcatatgta aaattaaagt atatttgacg attaccaact atcanagtat 360
ttgtcattta ttaatagtag taattattac aaattatact tanaatgcat gatgttataa 420
agacaaatct ctacaaaaaa ta 442

<210> 35080
<211> 368
<212> DNA
<213> Glycine max

<400> 35080

tgtgcaaata aaatcaccca tacatattggt ctctaacaatg cattgtgtgt cggtcatcga 60
gctttgacac gggaaaccgg aaggtacata tcaccttggt aaatggacac atggagcact 120
gcagacccga atgctcaagt tagaatagat aaactttctg tctctcgagt tcgcacaagg 180
gattcatatg ctgctctaca taagctatgc ttcatacctt catagcggac gtatcctacc 240
tttgatcgct atcataatct aactcactat tttgcttgag gaatagagtt atcttgcaaa 300
tgcgctcttg agagcatgtg atacgcctca ttgcatacca ttcgcactca tgtgtgatca 360
tacttgcg 368

<210> 35081

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35081

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aggccattgc ctccctcgcc caatattatg accagccgtt gaggtgcttc acctttgggg 120
acttccagtt atcacccacg gtggaagagt ttgaagaaat cccaggatgc cctctgggag 180
gaaggaaacc atacctcttc tagggattct atccctcttt agctagaatt tctaagatag 240
tccaaaactc gacgcgggaa ttagaccaca gaaagcaagt caaaaatggt gtggttgagg 300
taccaaggaa atgtttggaa gcaaaagcaa gagtcttggc aggtaaaggc aaatggggcc 360
tgttcatgga catcctcgca cttttgatct tcggaggggt cctcctttca aatgtggatg 420

<210> 35082

<211> 395

<212> DNA

<213> Glycine max

<400> 35082

tctccgcaa ttgtctataa atagggggag aagtgaagtg aatttggttc attcccttag 60
gcattctct ctctttcgaa tatgcttga aaaattgttt ccgtgaagaa aatccaagct 120
gaggcgcttt cgaaatgttt ccgtaatgtt tccgtgagga atttcgcgaa ggtttcaacc 180
gttcttcgac gttcttcac gttcttcgat cttcaacggg taagtacctc gaaccaagct 240

tttcgattca ttctatgtac ccgtggcggg ccacattgtg tttcgtgtat ctctattctc 300
 gtttatttac tttttatacc cccttttgac gtgcttaagc cattttattt aagtcatttc 360
 ctgggcttac ctaaataata gataaatttc catcg 395

<210> 35083
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 35083

tagctttgta tgtgattttt gcatactctt atatattctt cattgaggat ttgaataaga 60
 aactgttttag aggtgtagca actcaagttt ttgaagaagt tggtttttga tgaggattata 120
 caatctttgt ggtaaagtgg tatagggttt ttcactctta ccaccactgt tctttcgtct 180
 aattgaaaat tgcatttcaa cacaaggacc atagggggcgt gagttgctat gcattttcca 240
 cagttaaacc ccacagagct actacatgag catgtagcgt gtcttcacct aacaggatta 300
 tggaattggt gggttgatca tatgagctat tgcattatac atg 343

<210> 35084
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35084

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 gccttgatac aaggaaacca catcatgcta ttgtgctaca tctcaaataa tgtgaagcac 120
 tatgttccca cccttgggag gcacccttaa tggacgcca catcaagagg tatgccaagc 180
 ctgaagtata ttagcaagga aatacaggaa tgattggctg ctggccaaaa agacacacat 240
 gacacacctt ctctcggaca tccaattttg gccaacctat aaccatatta ttatctacta 300
 acatattcat acttttgaaa antaagcgac caaacctgcg atgcgtaaga cagctgcac 360
 ggctgatctt tgcagccatt acacatagta ctttcgttgc cctactgctc ggctgaatgg 420
 tgtatctcct cccc 434

<210> 35085

<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35085

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ctgggaggga acccaactct ctttttcctt attttattaa tcattgcata tagtcagggt 120
tcaacttggt tgtgattggt agagtaggtc atcaacctgt tttttatgat caagggggtg 180
ttaaagcttc tctaaagttg tggatgagga ataacttaga aaatttttca gtcatccact 240
cactcagcgc gccctgtgtg ctaagcgaat catccttcat gcaactgagcg agtcactact 300
cgcgctaagc gcaccaaccc caaaccattg gctgaagggg cctcactaag cgagaccacc 360
gccctgagcc canaacctct atgga 385

<210> 35086
<211> 220
<212> DNA
<213> Glycine max

<400> 35086

tccatcataa tgggggtgtg ctcaacctac ctttcagagg gatttcgacg cagcgcttac 60
agctgtgctt tccaagtga gaaggcgcgc gaagttgcc acaactatta ttcgacgaaa 120
atgtgcacta aactggaacg tgcggtatat gaactttaat aatgtaacga tcggtacaac 180
gcgttcaccc acggcgaaga tattatcacc ccacacatct 220

<210> 35087
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35087

agctntgctc taactgcaac agcagagcca ctagaagatc ctccaggaac ccggtctggt 60
gcacaaggat ttctaggtgt gccataatgt atattctctc catttatact ggcagattgg 120
aatacttagt tacgtgagta acagaaataa ggtgttcaaa acatacacat gtctgattac 180
acataaatac caacactcat agtcacattt tccatacggga gaagaaagct ccaccaaagt 240

gagctaaact gagcaagtat ccattttaatt attaaagtgc atcgtggtct taccacagct 300
 aaatttaagg gtggaaacac ctttatgcaa atactttaga gacaaaaata atcattgagg 360
 agccttggac tttctatata ggctactgac tgactgatag atatattact tc 412

<210> 35088
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35088

aaagtgcata tgnctccgac tcaatgcatg gtctcgatag atcttatgag attgcacata 60
 ccagccaggg cgtcgaaata atatagtcac ctgtgatatg cataaattac ttgtcacaca 120
 gcatttgcac tcgtagaagg gctcaatatg agagtgtac tctgtttcac actaacaatc 180
 tctagtctta tgcaatgtat acctcattta ttaggcacag ttatctgaga gaaaaaatcg 240
 tcccaccacg tcttcgcaga actggtaggt ccagaacata gtgagcgtgc ataacagtca 300
 ctgaataata atacacatga atatctccgt atgtgaatag cttattctta ccaacatgat 360
 gtgttctcat ctaagccagg aaccattatc tctgaacgtg aaattgcaaa tcttttgaca 420
 catctcttta cttcatgtat ataatgaaaa tttcagcttc tccattctct actttgatcc 480
 agagtctatg tgcg 494

<210> 35089
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35089

agctntgagt ctattcaatc tacaatacct tttgactcgg atgtcggatt gagtcacgta 60
 atatctcgag aactcggaa ttgaataccg aagttatgag caaattcaat cgacaataaa 120
 tttttactcg gatgtcggat tgagtcacgt aatatatcga gacgctcgaa attgaatacc 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctcga tattgaatac cgaagctctg agcaaatacga aacgacaata 300
 aatttttaca cggatgtcgg attgagtcac gtaatatgtc gagacgctcg agatagaata 360

cctgaactct gagcaaattc agacgacaat acctattgac tcggatgtcg gattgagtca 420
cgtaatatct tcga 434

<210> 35090
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35090

tcaacattca ctgtctagcg tctggatata ttacgggact aaatcanaca accttgtaaa 60
aagttattgt cgttcgaatt tgccctgagc tacatcattc aattacgagc gtctcgatat 120
attacgggac tcaatcacac atccgagtaa aaccttattg tcgatcgaat atgctcagag 180
attcaacatt caattctcag tgactcgata tgttgcata ctcaatcata catacgagta 240
aaaagttatt gttgaacgaa tttgctgaga gcttcaacat tcaattccga gcatgtcgat 300
atataatggg actcaatcag acatccgagt aaaaagtatt tgtcggtcga gttcgcctcac 360
agatacacat tcaatttcaa gcgctcgatc tatgatgcga ttcatacata 409

<210> 35091
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35091

agcttcaata tatattccaa actcccttcc aaaatctgat ttcaggctta aataggtggc 60
tttgttcgag cttgcgcgct tagcgtaact ctgaaccgct tagcgcgcat tagtgaattt 120
cggttagcg cgtgcttttc tcgctcagca gatggactga agcggagtgc ttaccgggat 180
gacccttcgc tcaacgatca tgcacagttc atcctttttc cagattcttc ctggtgctca 240
gtcgaggagt gttgcgctca gcggatggct cgctatgccca atcttctggc ttagcgagag 300
ggtgaaaatt agcacttcac aaacttgcct aattaacctg anattgagag aaaataatta 360
ttaaacacac taaatgaaag tactaagtat ttactaccta tctttaacaa anattaattg 420
caacactaca gaataaccat aaatt 445

<210> 35092

<211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35092

 tatgaaagat atcagtctaa tgctcataat cagaatattc agaatcacca gcaacagaat 60
 gctcacaatg ctcagaatac tcagaatgct caaaatgatac aggatgcaca ctatgcctaa 120
 ctaatctatg aaagggtata tctatttcat gatcaaaggg ttgtaactca cctggattgc 180
 ccctagtcac tcactatatg cagcaaatca tgtatttttc atactagcac cacgggtaaa 240
 aaggggggta agctacgggt aaaactacaa ctatactcaa acgatatcta gacgatctga 300
 naattcgtga gcaacaccca aaaatcatga aaagatagca caaaaattct cagacaataa 360
 ttcaaagtct aactatgaaa act 383

<210> 35093
 <211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35093

 ggcttatacc tttgaggtaa tacgcaatcg ggtagagtac attgtgtaaa cgcttactgt 60
 gagagctacc aactcttatt tttgctcatt ggattaatca ttgcatatgc acttgtgatac 120
 ctatgtctgt gatagtatca caatggcggt aaccagtggg ttatgagcga agaagtgagt 180
 gagcttctat tgatattaag aggcgcgata tctttattaa ttctcttgtc atacacacac 240
 ttactctctt atgnacacat tatactacac tctgcatgca ctagacgagt tataagtctc 300
 tatgctctca tcactctctt tct 323

<210> 35094
 <211> 261
 <212> DNA
 <213> Glycine max

 <400> 35094

 agcttatctt ttctttaaag aaaactttta ttagatacat tttccgaata gctcttaaaa 60
 aattgaacaa attgttaatt ttttaacaga atattgaaag ggaaaaaatt taagttagta 120

actgaacttt tagggaaaat tattagatga ctcagaaatt acacatctat tgataaaaca 180
 tgattcaaaa catcgatata ccattggttg tgattaaaaa ggaattacat tacatttgtc 240
 tatacatatc aactattcta t 261

<210> 35095
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35095

tgagagcgca taggcttcta gacaagggat gtctcttatt ctatgcgagc gttatccagc 60
 tgggctgcaa taatatatct tcttgatatg ataattaatt ttacgcgcat accagcgtgt 120
 atgccaatct atattaatct cttttaccta cctttcattc aactaataa ccccaaacac 180
 atact 185

<210> 35096
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35096

agcttgtcat atggaaggat aggataccct atgctttntg gaagggcaac ccaacagtgt 60
 ctattattag gagagaactc ggcaagtgca acaccacaga aaaacatgat tggaatgcaa 120
 gaatatatga catagtaa atataatcta aaaatttact tttgttttag gttaatgcat 180
 taattatctc aagattaaat taacacatct tttctctctc tcttttcagc aatggttgcg 240
 agagagagca agtaattttg agaactcaa acttgaaaat caatgtacct ttaggtaaag 300
 ttntgaagca tattttatga ttctgatttt tttaaataat tattatagaa ggggttagtt 360
 tactcttttg aatctgtcac atataatctt ttttagattg tacttactac attttgaaac 420
 t 421

<210> 35097
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 35097
 tatgcctggt atgatntttt ggtttcggcg ggtttctaata tattaatatt tttcaatttg 60
 gtacttatag cttctgccga tggaagagct actggagaga cgtcttactg accctcgttt 120
 accaatgtaa gttttattgc gaagaaaaac ttgggtgagg caatattggt caatatgact 180
 atataaaggc cacacatgat agtaaattat gttttttgat ctattgggat ttgggtcata 240
 ccacagggaa acccatatcc ttcccattaa tccatccttg cttcagattt gaacctggaa 300
 t 301

<210> 35098
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 35098
 agcttgctat tatgttaagg gactacaaca agaaaaataa tgtagaaac ttagaaaact 60
 agatagaata agataatata gttaagaga gcaaaaaaac tcaccagaac tataatgaag 120
 ataatgagcg tcagaaatgg tacgggttaat aacgatgttt gttgtcatgg cggctatgac 180
 aaaattgagg gcaagagata ttatcttgag ttaagaaaat ggtttgctgc gttgaaacta 240
 tgatggtggg tgcacataga aatatatgat gagagaatgc ttatattatt tca 293

<210> 35099
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35099
 cctctctccc nctcctctct actccgtagt gatattatct gactgccact ctactgttg 60
 tgctctcat acntcannnn ncctccacac ggcennatth gttgcattca tagcacgtgc 120
 ggcacactan aatcactcta gcatgtgcgc acgtcgatgc tcgaggggtga cgaggtcgag 180
 tgtcctttgt gaggacatag agagtgcaaa tcgcaatcac gagggcgacga ctatagaagc 240
 gaaggactat gaatactgtg tgggtgacgaa gattgataac attgagagtt gtattccttt 300
 catacattat gacatataac gagaagtgcg actgacgagc gaccgattca acttatgcga 360
 catgacgaat ggcgcgtggc accaggagac taactactca cataatagac tatgccgagt 420

gaatctccac gtataaagac gacatactac attctgcact gatgacacac atattaacac 480
 tccccggacac ctgcctactt ctcatgaaac taaattcaac gctcatgtgt catacctcga 540
 cgcctatggt agcctgccga caataccctc attgattcga tccctccact ccctctacac 600
 g 601

<210> 35100
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35100

ttacttgaat gtgtgtaacc caccatatgt ccataaaagg agatgtgcta cgggcgaaat 60
 tgaggccccct tcaaagtgtt ntgcaagggt ataccaccaa ctgcttgccc ttcagtggca 120
 tatccgatgc aaggctcgaa gtcggctaga ctgtggtggg gaatttcattg tgtctcccc 180
 atgggttgag agacatgtac atgatgaggg tgtcggtctt caatgagtat gggagcagag 240
 ttattgacat cctcattggg agtgtacgcc acattgggtg gtgtatagtt gggaggcaag 300
 ccataatggcg ggaaagtgtg ctccgtttga aattgcacaa tatggagtcg gacgtactgt 360
 ctaaatt 366

<210> 35101
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35101

cttntgtttc ctgaatggac gngtgcagcc accacaacca tcattattat agtcatgatg 60
 agaagagcgc atcactgtat ctactgatct cagaaaggac tcctcctact tagctcgac 120
 tgtaaccac ttgttctgca ttaattcaaa attgattctg cagacatagc cttgcttcaa 180
 gattaactca agatcaagcc tggccttaaa acaaagtgtt ttcaagacat gcaaggctct 240
 ggtaatcgat taccaagcag tgtaatcgat taccagaaga cagggttgag atatagctcg 300
 tgaaaagggt ttggaatttg aattctcaac atgtaatcga ttaccatatg ttgtaatcg 360
 attaccagtg gagagttttc aaaatagtca tgacacttca tattataact gggtaatcga 420

ttacacacac attgta 436

<210> 35102
<211> 333
<212> DNA
<213> Glycine max

<400> 35102

tatctttatt ctaacagaat aatccgataa tgatcatatat ttcggtgttg attaagcata 60
acaagacttt gtgtgattgg tttaaagata caatctttgc agatgagaat gcttcaaaaa 120
cattatgaaa gctagcagat gggcctaaaa gaaatgttat aacctggcga ggatacgaca 180
tacacaggta ttcatTTTtac acgaaagcac aagatgacgg aagtacaatg cagaacagcg 240
gggtcaccct atgggctgaa tctcaacact ttgcaagtgt caatgacgcc aatccctgtg 300
tagcttacat cccttacttt gagttcattg atg 333

<210> 35103
<211> 316
<212> DNA
<213> Glycine max

<400> 35103

actagaaaga ctctgataga agatgcttaa aggggatttg aaacacttca agcatcataa 60
aatcaataaa tacagagaaa taagtattta aaataagaag catcacagctg agcctaagtc 120
cttggaacaat gcttccatcc ttgaaaacaa ctcttgatct agtatcttga gtacttaagt 180
caagggtacac agacttgata aataagttta gtataggcac acatccaaaa gtcgaattca 240
tatgttatct agaatcctgg atattttcac catttactag ataataaat gctagcatga 300
tatacaatat cactat 316

<210> 35104
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35104

agcttataga ttatataata agagaacaat gacaattaaa gaatcgattc atgtttcctt 60

acaacttaga aattactaac gttgaggtgg agctaccagc atgggggtgtt caagtcaagg 240
 aaacaaataa tgatcaacaa cttgaacctt tagttaatga ttacaacttg gctagagata 300
 aagttagaag atacatagtg cctcctgaga ggtgtaacag cgcgccttt tttttntttt 360
 tttagggtttt cctattaatt aattaattat caaataaata aataaataaa atcagggtacg 420
 tcataagttt ccactata 439

<210> 35107
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35107

cttctcccca attntctata aataggggga gaagtgaagt gaatattggt tcagcccctt 60
 aggcaattct ctctctttcg aatttgcttg gaaaaattgt ttccgtgaag aaaatctaag 120
 tcgaggcgct tccgaaacgt ttccgtaacg tttccgtaag gaatttcgag aaggtttcga 180
 ccgttctttg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggttaagtac 240
 ctogaaccaa gcttttcgat tcattctatg tacccgtggt ggtccacatt gtgtttcgtg 300
 tatttttatt ctgcgtttat ttactttcta taccncttt tgacgtgctt aagccatttt 360
 atttaagtca tttctcgctt aaactataaa taaaataaat ttccatcgat cgtttgaatt 420
 gtattattcc gtaacttctg gtaaaatgaa ttcc 454

<210> 35108
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 35108

agcttatcca tagtggcatt ccttatatca ccaaaatctc aactcaatca ccttttagagt 60
 cctactgaat caataaaaag taacttgtag caatttggtg agtaattcaa cactatatat 120
 aataactaca tctgcctgtg aaatttttag aaacatatac atatcttaca tgaacttaat 180
 ctttaattcta ggatgtgtcg agtactatgt actcatttat gaaagatgaa aaattcactc 240
 atgttaattt ggaagggatt atagaatgca agattgttta caatcacggg aggaagactg 300
 caaagattgg ttctggatgg aagtcttttg caaattcaca aaatttagaa cttgcccagg 360

<212> DNA
<213> Glycine max

<400> 35111

agctttatat cctttgcagt accaaacaca taaaccatag tgtgctgaac tcggtgcata 60
catgaacctt gatagaaaac tagtagataa catcaaactt agtctagatg cattcaacta 120
aagagagtag acaaccagac tattatactg aggaacatca gccttttcat cgccatcatt 180
cttgagagat atttcattta caacaagagg agttgtagcg agatgacaac tctgatacct 240
gaattgtttt taacaaagca taggcataat ttctgtgaga gaaagatacc atcatcaagc 300
tgatccactt ccattcccaa tatatacacc atcacgtcca gaattatcat ttcgaaact 360
tgcagcatgc tcttc 375

<210> 35112
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35112

tgagatatca caggangccg ctacagatgc tactattgct gcgtgattac acacttgagc 60
ccgcttaaag gtaagggatg agtttatcgc aattgctgtt aaaataaaca tgtgtgtatg 120
catcttcaga ggattacatc ggggtttctt ttgtatgcc tactgaacta tatttttctt 180
ttacgatcat aaatacaata ttgttgtgtt tgacggacca attgatgtcc tgatgtgaat 240
tggttgataa acctgagagc tcttagtggt gtcatgtttc tgacctactg atttgatgca 300
ttgattctaa tatgattgtg tggaattatt tgacgtgtct actctccatg ctgtgtgaaa 360
cattttgtat aaatatattat atcgagatta tgaaatgatg a 401

<210> 35113
<211> 377
<212> DNA
<213> Glycine max

<400> 35113

ataagatggc cgaaggacta caccgtctag actgggaaaa ccctgacgtt acccatctta 60
atcaccttgc aggacatccc cctttggcca gctggcgtaa taccgaagag gcccgcaccg 120

atcgcccttc ccaacagttg cgcagcctga atggcaaattg gcgcctgatg cggaatattc 180
 tccttaacgca tctgtgcgga attcacaccg catatgtggc actctacaga caatctgctc 240
 tgatgccgga tagttaagcc agccccgaca cctgcaaacac ccggtgacgc gacacacttt 300
 cgttcctacc aaataaaaagc tcgataagta ctccctccgt aaaatacatc gttcgtattc 360
 gatctcccag tcaaccg 377

<210> 35114
 <211> 121
 <212> DNA
 <213> Glycine max

<400> 35114

agctttctat tggatgatag tagtctaata agtttatgcc atagtacgtc gtactacgct 60
 tggattttta agaatgacca ctctgctagc tgattaaagc acacaggtgc acagtaattt 120
 g 121

<210> 35115
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35115

agctttacat cagatttttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
 ttaacctang gaattaaaaa aacttaattgg ctgagtgtaa ctgaaattgt ggcaacccaa 120
 agtcaccccc aacagccaac aagtcagtca ccatttggtc ttccaaaagg ctgatgccta 180
 ggttggcaat tgggccctta ttacaacttg aactacacct aactaaagcc ctttttagttg 240
 attaacccaa aacatat 257

<210> 35116
 <211> 162
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35116

ntaactcgga tgnncgattc aggcgcataa tatatcgata catttgatat tgaataacag 60

aagctctcga gagattcgaa tgggtcttaac tgttcacacc gatgtccgat tcgggcgcag 120
 agtatagaag agacgctcga aattgatcaa cggaagctct cg 162

<210> 35117
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35117

agcttgagct tggttcaacc ccgtaatcca aggaatggaa attctgatcg ccaatacttc 60
 aacaacatct catagggatg aatgactcgg gcatacttta agcttatgca cggaaaatgt 120
 aattatgaaa ttgagatgcc cgaagaaaca ccatttccta gttaaccatg cattangtac 180
 catgttcaat tattttgttt ttaagtgaag cgggtttatg atcccaacat ggttggctcc 240
 taacacatga aactaagaat gtagtgtgaa gtttcacgct tcccccttct ttgtttttgt 300
 tttgtagagg aaaacgcaag gatgagcaaa catganaaca aatggtatgc aattntgcag 360
 atcanaaagt ttggtgaacg catatgcatg atgatgccat gactcatgca naatggtgag 420
 gctggaatat gataacggac 440

<210> 35118
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35118

taagacatct ctctatggac ttaaacaatgc accgatgcaa tggatatggtt tacttanaaa 60
 cttccttctt gaacaaaaat ttgagagagg aaaagttgat aaaacacatt tcattaaaaa 120
 gatctctcat aacattttac tcatgtaagt ttatatggat gacatcattt ttggttctac 180
 taatcgatct ctttgtgaag attttgtaca caagatgcac gaggagtttg aaatgccaat 240
 aatgggggggg gggattatat tactttcttg gtctctatgt 280

<210> 35119
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35119

tatctcttcg attcattcta tgtaccgag gcggtccaca ttatgttttg tgtatttcta 60
ttctcgcttc atttactttt tataccccct cttgacgtgc ttaagccatt ttatttaagt 120
catttctcgc ttaacctaac aataaaataa atttccaccg aacgttgga ttgtattatc 180
cgttaacttc gtttaaaatg aattccgacc gttcggtcgt gccgtaacca cgttggaat 240
cacaaggaga taaaataata gtataataac acaaatatac cttttagtaa aataaagcgg 300
aaaaatcaat cggacatttt ctctttggga tatctcattg ttaattgaat agactaataa 360
ctaactgaa actaaagcta naatcaactc gcctactcaa gctcgtccac gaaaatacg 419

<210> 35120
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35120

nttaatttca atgcaaggaa gcatgactta tgccatgaa tctatatatt tggttttgaa 60
tgtaaaaggg catgaatatt aagacatgtg tgagagggtc ttattagaat ctacatttgg 120
ctgccccatg aggaatacct tacacctagg tagcatggaa aataccttcc aacagtatgt 180
atagatgtga atatangtag cgcgaaaata cctttcaacg gtatgtaaag atgtgaatat 240
atggcataaa aataccttgc aaagtgtgaa tgaatagcaa aaaatgcctt tcacaatatg 300
tatatttgtg gataggtagc ataaggatcc tttcaaaaaa atgtacccat gtcaaaaatg 360
gcatg 365

<210> 35121
<211> 446
<212> DNA
<213> Glycine max

<400> 35121

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgtcgaccac catacagacc 120
tttgcccttc catgcagaaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagtagc aaaatcaacc acagcagagc aattatgacc 240
tctocagcaa cagatacaac cctggatgga ggaatcacgc taatctcaga tgggccagcc 300
ctcagcaaca acaacagcag cctgcttctt ccttcacaaa tgctactggc ccaagcagac 360
catacattcc tccactaatc caacaacagc aacaacccca gaaacagcca acagttgagg 420
cccctocaca actttccctc gaagaa 446

<210> 35122
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35122

ctntggagta gaaacctggg accaactcat tntatttcaa aatggaagtc atatctagtc 60
aaggtctgag agaccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cggggggcgga gtaggtgtct 180
gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggttaaga 240
gcaaaccgat ccatccacat ggttgctctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctcttttt cgcataatac ttgggcatac tcatccacga ttctatgctc gtgggccgtg 360
gctagaccgc actcttcttc gtacttggcg atgatagcta acatgttggt ctct 414

<210> 35123
<211> 303
<212> DNA
<213> Glycine max
<400> 35123

agcttgcttg tagagcttct atggaggcta gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
catccactat ggaataagcc atggaagaaa gagcttcacc accaagatga gccttgata 180
agaagcttgg agaggggtgt tcaatggagg aaaagaaaga gggagagaaa gagagaggtg 240
ggaacacgaa attgaacgaa gaaaatggga gagaacgttg agtcgcgtct cataagactc 300
tca 303

<210> 35124
<211> 316
<212> DNA
<213> Glycine max

<400> 35124

tgtgctccaa catcaaatgt gcaataccaa agcactcact ttctttgctt ttgtaacaac 60
aacaatatat gtagaagaat tcttcatcaa agacttgtag atgtcaacct tgtagaatgt 120
gagtccaact tccttgagac ctaactggta aaccattaac ctttgaaaag aaagttcagc 180
tatacacacc tctgaagcct taactcttta accaagtctg attgatgtgc tttgggttgaa 240
tcattctcttt cttggcataa atgtacttgt atgacgcctc acattgttcc ttagaaaata 300
aacgatttgc cttatg 316

<210> 35125
<211> 243
<212> DNA
<213> Glycine max

<400> 35125

agctttctgtt ttcaatgtcg agtttcacga tatactacgg gacactatcg gacatccgag 60
taaaaagtta ttgtcatttt aattttctcg gagcttcagt tttcaattac gagcggctcg 120
atattattacg ggactgaatc agacatccga ggaaaacatt tttgtcgta gaattcgctc 180
agagcttttg ttttcaatat caagctgctc gttatatgtc gagacttaat catgcatctg 240
agt 243

<210> 35126
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35126

tgtagcanat tcaaacagga aataaatttt actcggatgt ctcattatgt cccgtaatat 60
atcgagatgc ttgaaattga aaacggaagc tcgtagcaaa tgcaaaacac aataactttt 120
tactcggatg ttcgattgtg tctcgtagta tatcgagacg ctcgttattc aaaacagAAC 180
ctcgtatcaa attcaaacga caataactat ttactogaat gtttgattgt gtcccatagt 240

atatcgacac gcttgcaatt gaaaacagaa gctcttagaa aattttaacg acaataactt 300
 tttactctga tgtccgattg ggacccgaat atatcgag 338

<210> 35127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35127

agcttangga tggaatactt acttggttgt gatgaacaaa agcgcgaaac ggaatcaaaa 60
 aatgcgaaaa aggatgaccc tagggctgca aactcgtaaa ccccgtaggt atggcttttg 120
 aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc ctttctgtca cttttatatt 180
 ttggtgcaga ggtggctcgc ccaggcgagc tcagctcgcc caagcgagct aacctgcact 240
 tttttttttt 249

<210> 35128
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 35128

tctatcacgt gtgtgtgtgt gtgtgtgtgt atcatgaggg tgtgtcattc tgtgatgagg 60
 gtgtgtatca tcagcgtgtg tgtgtgtcta tgatgagtgt ctgtgcgtgt tatgaggggtg 120
 tgtgcgtgat gagtgttaagt gtgtgtatca tcagcatgtg tgtgtatgat gagtgtatgt 180
 gtgcgtatca tctagctgtg tgcgtgcctg tctg 214

<210> 35129
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35129

agcttccttc tatgattaga gaaagtcaaa gatattagta agtgttctga ttggaatata 60
 gtgttacttt acctctctta agagtgaacg attccttgcgt actataagag tgtacgagat 120
 tatagagaaa ctggaagcag gatgatcaga gatacgacat cttcttactg accatgcttt 180

aggnaccaag acaaatagag cagtcctatc atctcaacag tgctcgatat ctatggagat 240
cgtataagtc aagaagacta ttttg 265

<210> 35130
<211> 221
<212> DNA
<213> Glycine max

<400> 35130

tgagaattac atgacgagaa caagacttat gttgcggtt gtcattgatat gaggacaaaa 60
gacaagaggt ggccttaata gggatcaaga gagaaataac gaacagacta tgtgacatca 120
aaatgtctct tttttctgtg ctgactgctc aactgagga ctcaagatga atctggtacc 180
tcttatatgg agagtgactg tgaccacatt ctcatcatgc c 221

<210> 35131
<211> 376
<212> DNA
<213> Glycine max

<400> 35131

agcttatggc tccaaagtac atcttaaact aaattcacia gagacttatt ctaatgattg 60
aaatcggact ttagtgatcat aacaacctat gctattaaaa ttaaaactaa cacttcacia 120
tgcttaaata tgcttaaaaa taaatcatat tgccagccca tagctggcac attgatattc 180
cacttgatc atacgtatcc tggactcttc tttctcactt ttgagatgaa ctagtacgtg 240
ttgatcaatt tttcaaacat ctctttggct atcttagctc ttaccttggt gttaagcccc 300
ttatccaaac tgggttcttc ctctaccaag ctctacattt ttccctcgaa cgctatgaca 360
ccctacattc tattat 376

<210> 35132
<211> 367
<212> DNA
<213> Glycine max

<400> 35132

tgatgactac cctcttatgt gaacaatacg ggtatttac atcttggtac atgaatatgg 60
cacagccatt agaaataacg ctaggttagt agccaatgga tacaatcatg aagaggggat 120

agattatgag gaaacatatg ctctgttgc tagattataa gccataacag agatattagc 180
 cgttgcatcc ataatggaat ctaaacttta tcaaacggat ggaaagaggg cttttgtgag 240
 acgcttatcc cagaggacgt atatgtctat caacccccctg gctttgaaaa ctcatgatg 300
 cctaatacatg tctttatatt gaaaagggct ttatatggta tacaacaagc ctctagggct 360
 tggatatg 367

<210> 35133
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 35133

agctttgatg atgcagtgag aggagttgat ggtgtctttc atatggcgtc ccctgtgctt 60
 attccttatg atgagaacgt tcaggatatct tgccctttat cccccactgt tagtattttt 120
 gtctttatct caggggcttc cttacaagaa aataaggagg gtaaataagag aaaaaatgga 180
 cactcaaaag tcaaaacttg ttttctttta cttgatttga ctctgtagct catttacaaa 240
 tgtactacct acgttaatgt ttatattacg gcatgatacc attgaaacgt gactcgtata 300
 agtattaagt acttgaatcc tgatgaatca act 333

<210> 35134
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 35134

tattgtatgc atgcttgtgg tttgatcacc cattggtgtg tgctattagg aacttgatag 60
 agtaggacta gatagctgta gtgctagaca tagtgtagcag ggttctagtt ttcattatcc 120
 tgtgcttata atgttgggta aattaagcta agttcaacaa gaaacatttg cggatgaagc 180
 ttaattttaa ttagtccaaa cgcacgagac atcggtgttg gtattttggc ctcatgatag 240
 aacacatgaa ttatgtcaaa tagaaacaaa ccctaattgc atcaagtatc t 291

<210> 35135
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35135

agcttgcaca ttgctgcttg atagaagaag agcaagacgg taaatcatgg tactttgaca 60
tcaagcggta cgtagagtat aaggagtatc cacagggggc ttctgacat gacaagagga 120
cattgtgaag gttggcaact agtttctttt taagcggagg taccctatac aaatgaaatc 180
atgatatggg tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcatggagg 240
tacatgaagg gtccttttng atgcatgcta atgtgcatgt catggctagg atgattctaa 300
gggcagacta tcaactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
acaagtgcc a ggcattcgcg aacaatgtga atgctccgcc tatgcctttg aacat 415

<210> 35136
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35136

tcttagtttc acatgatgca gatgggttng tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctgcg agttggaagc catcttctca attaaattcc 120
tggcttcagt aggagtcatg ttccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatattct tctgatggg tgtggctcctg gaaacaagga 360
taaattcttc taagaatact ctc 383

<210> 35137
<211> 440
<212> DNA
<213> Glycine max

<400> 35137

agcttctcct ataacacagt atcatcagca tattgaagaa cattcacagg aactttgttc 60
ttccccacca aaaaacttct gaacctattc tgggaaactg cttctctcat caaccctgtc 120
aatccctcag ccactaaatc aaagaggaga ggtgccaaagg ggtcaccttg tctcaatcct 180

tcacagcttt tctcacttan agaccccgagt aacaattcct tcgttccaat ttgttaaccg 360
 ttggatcgac tccaaaattn tactggaagt ctctagtaca taaccctaca ttntgaccgt 420
 tgngatctac tagc 434

<210> 35140
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 35140

tcaccaccaa cagagtgtct tggataagaa tcttacggag gaagcttcaa tggaggaaga 60
 gaatgagaga gagagagaga gagaaagtgg cgtgggaatg aaggaaagat agggagagaa 120
 gttgaacttt gaagtttgct tcacgagact ctctttcctc aaagttacca caagtgttac 180
 acatgcttct atttatagcc tatgtagctt ccttgagaag ctagcggttac acccctctaa 240
 tagctaagct cacctccatg ccaaaatata tgaaggaaga gagctttctt gagaagcttc 300
 cttgcgagac aagtgttaca cctcttcaat agttaagctc acccccatgg gaacacacac 360
 ccctccaata gctaagctcc ccccgcccc agatacatga taatacaaaa caagttccta 420
 ctacaaagac tactca 436

<210> 35141
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35141

agcttgataa tggaagacac atgaacagct ctaggcaata acattcatgg ggctccgaan 60
 aatggtgaga atggaggatt gccttgaggg tctcactta ngcaatcatg aaacacaact 120
 ccaaactcga aagtggagga cacatgacca gccctaagca ataacattca tgtgggtccg 180
 aaaaagggtg agaatggagg attgccttga gggctctcac ttangcaatc atggaacaca 240
 gctccaaact cgaaaatgga ggacacgtga acaaccctaa gcaatagcat tcatgtggct 300
 ccgaanaagg gtgagaatgg aggattgcct tgagggtcct cacttangca atcatganac 360
 acaactccaa actcgaaaat ggaggacaca tgaacagccc taagcaataa cattcat 417

<210> 35142
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 35142

tatccttatg gcaactcccg ccttatgacg actattccgg gctagacgat gaggaaggag 60
 ataccatct cggccccctg cttcacctca aagatctgtg ccacatgaa ctacccaac 120
 cgaacatagt gcgcatata ccgacctcac ccacaccgt aaaagaatct gttcccttcg 180
 cggaagataa gggaaagatt gaagcgctcg aagagagggt aagagcagtc gagggccttg 240
 gcaattaccc attctcgtat ttagcggatt tatgtctcgt gcccaatata gtcattcctc 300
 ccaagttcaa agtaccagac attgataagt acaaaggga 339

<210> 35143
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35143

agcttctaca ggatcttccg cgtgatccaa cggaagaagg ttntgtagga tcttccgcgc 60
 gatctanccg aatgatgatg tttttcgtgg ataccgatga tgatcctgta ctatgctatc 120
 ccttaggcac tatattgcta atgtggcata acatgcggat gcctatactc tatgggttacg 180
 ttgattgtag tgactcgctt tgtccgcat atacatattc atc 223

<210> 35144
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35144

gtttacaaag cgtcgatgcc aagtgtatac tgtttttatt tcatgntaca attgtacgca 60
 gcttgtgtct ccttcataga gagggcatgc acgatggcct ttaacactgc attcattcaa 120
 attcctatat gctagaaagt cattaatggg gcccaataac attgcacaca acttgaatga 180
 tcaatttgga tagccatcaa acacaacaat gcactcatat tacaactttg tcaagtactt 240
 aatcaaggga ccgagataaa caccaatata atatcctcgg ctgtcttgcg gctgatagca 300

tcattgacaa catcatgtat atttgttgca tgcgcaacc 339

<210> 35145
<211> 352
<212> DNA
<213> Glycine max

<400> 35145

agcttgctcg agcatgtatc aacttatacc aatgtgtatg agttacggac aaagcttgaa 60
tctttgattc aaaagaagac gccaaaggaat aaagctcatc ttgtgagacg cttgggtcaag 120
gtggagtaca tgggtgggta gaacatgatt gaacatctta aaaccttcaa atgtattggt 180
aatcaattaa agaagataga tatgaatata gattatgaac taaaaactct tctactcctc 240
aattctctgc ctgagagita ggacacattg gttgtcactc tcaacaactc taaactagat 300
ggaaagctta gcatggataa tgtcacagat agtttgctaa atgaagagtc ta 352

<210> 35146
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35146

tgtttagtgc aggtgctgaa tctcgcgctt aacacctgct acttacttag tgcgtgctgc 60
gcatttagcg atggcaacga tgtgcgcact aaacacgtgt tgatcgctga gcgcgctgct 120
aggttgggct ggatgatgta atcttaattc ttctttgtaa ttagctgtac taaatgctct 180
tacttcctaa aatagatata tatgcaacca gtatttaaaa aaatatcaat acttaacaat 240
gtacacccaaa taactactat ataattatctt tttagagataa ttntattgta ttattctatt 300
atccacagca taattattta gtagatatca catcggtggc ttgagattat tgcatttaca 360
ttagttacct tgagataaaa tatactcatg ttaattacat tgatttagag atcccaacaa 420
gtntgggaaa agcagaaaat tatggatcct aatata 456

<210> 35147
<211> 189
<212> DNA
<213> Glycine max

<400> 35147

agcttaagaa ttttaaccaag ccgaggtatc ctatggtaac atcccacttt ttttaccatt 60
tcaatgatct aagaacacta cccaatcaca taacaaaaca ataacatcgt ctatcacacg 120
cacatagaaa attgggattt acaacaaatg cacccatgga tcaaattccat ttgtttcccc 180
tccccccct 189

<210> 35148

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35148

gtcactttnt aggtactcga tgcagcaatt gagttcattc actttacctt ctctgntaga 60
tgcgtgggtt ctctttccag tgaacgttag ccaagaagta gcccacaaat tccattagtt 120
atattggtgt gaaatgtttt gtagactgtg gatagaaatt aaatgctttg aatatcatat 180
gaatgtagcg ctatgttcta tgaaggccac cttttggatt tcttcccact tcatctctac 240
gtgcttggtg gtgttgatat tcaagaaact aagaaagttc ttgaatttg ggaatcaaat 300
aatattaaaa attaagagtt gttgtagaaa ttaggactga tttattaaaa caaaattagt 360
ggcccttaca aaaatcatat ttccatgtgc aacaatattc aatattgtag cctcttatct 420
gtaggtacac tgtaatggat atccaactaa tatat 455

<210> 35149

<211> 449

<212> DNA

<213> Glycine max

<400> 35149

agcttgcacg gattaatagc aacaaataca gagtaattgt tgaagaggat aaattgatcg 60
taataataaa acctcaaaga gagttgtgct tgatcctcaa gagaaaacaa cggttgatag 120
ttagccttcc attaatcagt agaaaacgaa attgcagatt gaagcagaaa acgaaatttt 180
attgctaggt gaatagtaaa aactggaatt gcaaaaccta aaattattct ttctcccaa 240
aacgaaaaga gagctctaaa actaaaacct tgggtgctgtt atataggttc tcagcccaa 300
agcttacaaa tctattttta gtccaagccc ataaataaaa taaaatctgg gcaagataag 360

ataagatttg ataaaaatata atctagatga agtagaatct agataagata agataagata 420
 aaatctagat gacataatat ctagatgag 449

<210> 35150
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 35150

agcccacccat gtttacatcg tagaactg gtgttggtc tactatcatt gtcattcattg 60
 atctctccgt cattgagagt gccacattct gctgccagt atctccacct ttgggcgtat 120
 tcttacgaaa gattcttgcc cctttttgac acatgttctg taggtgcatc ctatccgacc 180
 atattatact gacactgcct aacgaaagcc accactaagt acttccaaga atggacttcc 240
 gcaaagaacc aggtacagta ccaggatata gctgcccga taagactttc ttggaaggaa 300
 tgtatcagca cttctcatc ttttgcgtag ggcgccatct tccgataata ca 352

<210> 35151
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35151

agcttgtaga atgggtatatac atgatatatg tcagggttg gtttggttca aggataaaag 60
 ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaattttatg 120
 caaaactggg catgcatgca cctatgcaga cgttcaagtg tcaaattttt atgggtcatgt 180
 gatgctaggg ctgangattc atttctctca ttttaaatca acccaatggt tccaaaatat 240
 gttcttttat caatttgtgc atttctccaa gtccatttgc agcgtccggn gaaattttca 300
 cagcattcac ctttcagggtg tagacacgtc ttttcttcan aaatcgatta tgatcaatga 360
 aattntntca nagaaagggt ggaaatcatc ttttttcaca agcatgtcgg ctnttagcta 420
 gacaacttat tttctctt 438

<210> 35152
 <211> 418
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35152

ntagtcaaac anaataatcc anaaatgtca atgaattggg tcttgattta gcataacaag 60
actttctctg attgggttaa agatacaatc tttgctgatg aaaatgcttc agaaacatta 120
agaaagctag cagattggcc taaaaaatg ttataacttg gcaaggatac gacataaaca 180
actattcctt ttacacaaaa gcacaagacg acaaaagtac aatgcaaac agcaggggtca 240
ccgtaagggc taaatctcaa cattntgcaa gtatgcatga tgacaatccc tgtgcagctt 300
ccatccctta ctttgggttc attgatgaaa tttgggagct taactatgtc aaatttactg 360
tatgtgtttt caaatgtaaa tgggttgata gcaacaccgg tgtgcagacc gatgatgt 418

<210> 35153

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35153

agctntttgg agtagaaaca tgggaccaac tcattntatt tcaaaaaaaaa aaagaaatca 60
tatctagtca aggtctgaga gaccatacaa gtttcctaac gatttctaata tatgcggggc 120
attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtctg ccatcgctt ggccttggct aacaatcggg gaagttcttg actcccgttc 240
aaggtaagag caaacgac catccacatg gttgcctctt ggtgtaaaga gtcgatcacc 300
cttctctag cctctntttc cgcataact tngcataact catccgcgat tctatgctcg 360
tggggcgtgg ctagacccaa ctcttcttgg acttggcgat gatagctaac atgttggttt 420
ctgtctcgca ta 432

<210> 35154

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35154

tgaatcggac atccgtgtga naagatatga ccatttgaat tttgtgcgtc tctatatgcg 60

atgctcctga atcggacatc cgtgtgaaaa gttatgacca tttgaatttc tcaagagctt 120
 ccgttgacaca atatcgagcc tctcgtcata tgatgcgccc gaatcggaca tctgtgcgag 180
 aagttatgac cattagaatt tgacgagaac tcacgatgag caatatcaag cgttactata 240
 tgtgaggcgc ctaaattgga cattcgagtt aaatgttatg accattcgac tgtctcaaga 300
 gcttgcgctg atcaattttg agcgtgtcta 330

<210> 35155
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 35155

atcttatact tgatgatgat gatcccatga ggaatgtgct ctctcggaga ctaaagctca 60
 ggatcattct aggactcgca ggaaggaagc tcaatttgcg acacacgggg tcaatgcgct 120
 atacactagt ggctccaacg tgattgaaca tctgtacaga ctaacaagga ttggagacta 180
 tggcttgaag aggatattgc tatagcttaa gcactgcgta ctgttctact cctcaattct 240
 ctgcctgaga gtcacgacac attgggtggc actctccaca actctaattct acatggaaag 300
 cttagcatgg ataatggcac agatagttt 329

<210> 35156
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35156

tatactatga aagtgaagtc gataactctt aatgttggag acttctttgg aagttatcct 60
 gcccatggat agtaacgac gagctttggg caaatgggcc ccanattggg aaggaccggt 120
 taaagtaatt cagatctatt ctaatggtgc ttatgaatta gaggaattaa cccctcacia 180
 acgtact 187

<210> 35157
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35157

agcttaccct cactattacc cacaaccacc caccaaacct atcaatgtta agaaaatgac 60
atcggcagaa atgcacttga gaagagaaaag gggcctatgc ttactttgtg atgacaagtt 120
ttcccctagc catcgttgtc ctaataagca atattttgtt ccacagtggg aagaagagga 180
tgaacctgca ttacaaccag atccaccaga cgagggtgag acagctggtg accctagttt 240
gcaagatcat catttgtctt ataatgctnt anaaggctca tcaagtcttg gaacaatgaa 300
gtttcaagga tcaatanatg gattgcgagt gcagattcta ctagataatg ggagttcaga 360
taatttcctt cagcctagac tatctcaatg cctgaagtac ctata 405

<210> 35158
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35158

tgtggattnt agggattgag ggcagttatg gtttgtgttt atgtttgagt ttgtgtttga 60
ggcttggtgtt ttggaagaaa aactagaaga caaagttttg ggttttaggtg tatgtttctc 120
ttcatagagt ttggccaacg aaatttttct gaggagtcac gtangtgatt gtgcaatgac 180
atcccttctg atatcaggtt ttaatcctcc cacaaagcaa tccaatagag cttcttgtgt 240
aattccttgt actcgattag ctaaagccgc gaactgcacg taatatgact gaactgaacc 300
aatttttagcg agtttaaaca actgagatct atgacattca tacgggtgatg ggccanattc 360
tgtctctaata gctcgcgtat aagcaatcca tgttctgaat gatatttcac gagtcat 417

<210> 35159
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35159

agcttgatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180

atggtcataa ctttgtcca

379

<210> 35162

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35162

tctcgatata ttatgcacat gaatcagact tccgtttgat aagttatgac catttgaatt 60

tctcgagagc attcgttggt caattntgag cgtctcgata tattatgcac cagaatcgga 120

cttcogtgtg actagttatg accatttgaa tttctcgaga gcattcgttg ttcaatttcg 180

agcgtctgga tatattatgc gcctgaatca gacctccgtg tgacaagtta tgaccatttg 240

aatctctcga gagctttcgg tgttcaattt atagcgtctc gatatgtgat gcgcccgaac 300

cgtacttccg ttgacaagtg atgaccattt gaatttctc 339

<210> 35163

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35163

agcttgaatg tgtgtaaccc accatttttc catagaaggg ttgtgggttag gggcgaaatt 60

gaggcccctc caaagtgttt tgcaagggtta taccaccaac tgcttgccct tcagtggcat 120

atccgaggca aggctcgaag tcggctagac tgtgggtggg aatttcatgt gtctccccc 180

tgggttgaga gacatgtaca tgatgaggtt gtcggctctc aatgagtatg ggagcagagt 240

tattgacatc ctcatggga gtgtacgcca cattngtggt tgtatagttg ggaggcaagc 300

catatggcgg gaaggtgtgc tcgttttgaa tntgcacatc atggggtcgt ccgtacttcc 360

taaatctttg cctaccatat ctg 383

<210> 35164

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35164

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 aagcatggct ttaagattaa tacaagattg attcaacaaa catagccttg cttcaagatt 180
 aactcaagat caagcctggc cttaaaacaa agtgctttca agacatgcaa ggctctggta 240
 atcgattacc aagcagtgtg atcgattacc agaagacagg gttgagaaat agctgttgaa 300
 aagggttttg aatttgaatt ttcaacatgt aatcgattac catatgtttg taatcgatta 360
 ccagtggaga gttttcaaaa aagtcatgac acttcacatt ataactgtgt aatcgattac 420
 acaaacattg taatcaatta ccagtggaga 450

<210> 35165
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35165

agcttatact ctatggtgga gacccaagaa tggttntttt ttcttcatct tttggttctt 60
 gacagttatc attgcttggt acatttgga atgattatat ttctctcttt tcttcttacc 120
 taaaacacag tgaaaagaaa gtgatacttt tgtgattatt agtgaaagta aaatatggaa 180
 atagaaaatt ttctcacag caaatagacc ttttaattttt tattttaaga aaagatgttg 240
 gcacettcaa gtggaaattt tctaatatat aagactattt gccaagtaac atcagctaca 300
 aagaagacag acttttactt tctggtagct ctgaatttgg ttacttctta ttcttctc 358

<210> 35166
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35166

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 cgacagtcac cgcttttagga gcgttggtaca ccagcagcgc ttcgaggcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct catggacgat gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt tcgatccaga 240

aatagtcctt gagttttatg cccatgggtg gccaacagtg gagggcgtgc gtgacatgag 300
atcctgtgta aggggtcagt ggatcccggt tgatgccgac gctatc 346

<210> 35167
<211> 394
<212> DNA
<213> Glycine max

<400> 35167

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gatatcttaa gaaggggggt tgaattaaga tattgcaaac tattttccca attaaaattc 120
tatttcaatt tcaatgcaag ttacaaattc ccttaaaaaat gaactcttaa ataatgattc 180
acatcgaaca atctgaatat aaatataaag caataataaa taaaagagtt taagggaaga 240
gaaagtgcaa actcggattt atattgggtc ggccacaccc ttgtgcctac gtccagtccc 300
caagcaaccc gcttgagaat tccactatct tgtagaagct ttacaagtt ctgaacacac 360
atagacagtt cttcctttga gttcatactt cttt 394

<210> 35168
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35168

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tcaactgtaa caatgcttga tgatgataat gcccaagcct tttgtgccag atttctgtgt 120
gattctctat gagagagaaa acaacttgct cctccttcaa tggatttaga gcaaaacttt 180
ttcctttcat tnttaccttg aagatttctt gaccagctac atctttaatt aagcaatatt 240
tgtcttccaa tacaacttta aatcctcggt caatcaattg gccgacactt aataagattt 300
ggccaatttt cacaatgaat aggacatcag caatacatct tgtgcctgca gaacttgcca 360
ttgcaactgt cccctttcct ttgactagga tatcatcacc attacaaatt ctgactt 417

<210> 35169
<211> 455
<212> DNA

<213> Glycine max

<400> 35169

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agcttctagt cgtccataga cctcctctgt ggttcggtct agcaaacggt gcacatctgtgc 60
attcatcgca tccactaaca gacgttgagc gccgtccaac tgatgggtact cgtcaccacc 120
accacctgct ccagccataa ttcaacagga aaaaaaaaaat gtgcaataaa aattattaag 180
gtttcaggac ctcaaacac tctactcacg tctcttagat ggtagtacac tcgtgtttta 240
tgctctcaat aggcttttgt gtaatgtatt ccctcttgcc ttttaccact cgtgttttct 300
cttaagttcc tggatggacc aaattagaca cacaaggtaa tataaaatag aaggaaagac 360
aatataatga tcacaaacag atttgatttg cgataacaac ttggacttga tttggataat 420
aatatattag atttggattc ggataacagg tgagc 455
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<210> 35170

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35170

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gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gacaaanaaa gatgaaaata caaaaaaaaa aaagtcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaaa cgaaggaaaa acctattcta atatttataa agataagcgg gctcatactt 300
agcccttggg ctcaaaatat accctaaggc tcatgagaac cctagggcct tcccttggat 360
ctctagccca atctacttgg agtctttctac ccaatgcctt tgccgggatag gatggcatca 420
ataactttca catgg 435
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<210> 35171

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35171

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 taatgatgaa caagctcttt tagagtcagc tctgactaaa cttgttggag ctgcaaaaat 120
 ctacaaccta aggatagaga acttagtggt tcaacttcaa tttttatctt caaacttatt 180
 tctagtgtct cttgttatca atccttttgc gtcttatatg tctttaggag aaggcttacc 240
 agatgtaggc tttattttgg atgtatntaa gttttttcct atacctatat taccaagggtg 300
 aaactccaaa tctgactgga gaacaatacc aatagtactt atggtagtg tctaagtttt 360
 ttcctatacc tatatttctt tgaaggagtg gcactgatta ctttcttaat tttgctttac 420
 aggtagaaac aactttgg 438

<210> 35172
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35172

tgtagtgtac atgtctcctt ctaataagga ggatatgcct gtactttaca agtttcctag 60
 ggctcttcat tccaagaccc ttgtagacat tcctttctct gagactctaa gagtggattc 120
 gggatcatgag catcctttat tccaagaccc ttgtagacat gcctttctca ctctgctttt 180
 ctttcctttt tcatgtaata tggctaagta cgattaccaa tccatcaaaa gaaaaaaaaaag 240
 ttgtcaatgt tgaagtggca gaagattgtg ctctctctcc tccatcaac actgagtcgg 300
 acgagaggaa ggatcttagt ttttcttctc aagatgttac aaggaagaag caaagagtgg 360
 ctactccatc atcgattatc gctcccttct ccatcgagag ccactcaatg ttcctttcta 420
 tgaaggaggg tgagtattct ca 442

<210> 35173
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35173

agcttcatgc taagtgggtt tttctgtgaa ttgacttacc agtcacgtta taactgagct 60
 gatgatgaat tcacaatctt ctaaaagcct gattgatctg aaaaataata tcataacttt 120
 taaattttat gaaagtgcaa agctaattgg gcgagtgtca aagtttgatc tcattaagaa 180

atggatttct agaagacacg ccacatcaca tttgtatcgt attaaacaat taggtccgaa 240
 agaataatgg ttcaatttaa atactctcaa gtgtccccga acaatatcaa aacgttgatc 300
 ctaatctatg ttgaaaagac acccaaaaaa gaacaaatta cacatctaca aaagaagatt 360
 atgttaaaca caagatatca catatgatcc aatctttcgc cctttagttt tgtataattt 420
 cgtttaagtg cgcacacatg c 441

<210> 35174
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35174

tgtatttata aaatactaga atttctgtgt acattgaaag actttctaag ttntgtgcaa 60
 ctaacaccaa ataaaanaag attaccgcta ttacactat cttttcttct tcttgaagtt 120
 atactgctat atggagacca tgggccattg atgatctaga gagtgtcttg tatgtgtggt 180
 atacatgtgg atgaggatgt tcctttactg tgggtcacaa agtgacttct agcgccactt 240
 aaccaaagtg tgtgagtgtc tctcctcaa taataccgaa acattgtgta tgatagcaca 300
 cattatataa aaaaagttct taaaaaagggt ttgtcaccat gatttggatc acatcaagat 360
 tctttaactg tctgtgtttg taattggaac tgcacgatc acatttgtcc atgaattgtc 420
 gggatatcaa taaatgagat gatatcacao ca 452

<210> 35175
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 35175

tagctgatgg caatcagtaa tactgagcat cttctaggac gtgttctcac atagccccgt 60
 aggcaattcc accatatctt tgcattagtc aatactcata tcttctacaa ttggaagagc 120
 atctgatatt agcacgttaa cgttttcaaa agcctgtctt gtattacaaa cgtgaacgta 180
 tgatttttta agattcttct tcatgactac gggaggatcc gagatccgct ctaatctcat 240
 tcttcttaag ctggatcatg agatcaccga ctcaatattc ttcatttcat aacgatggaa 300

<212> DNA
<213> Glycine max

<400> 35178

tggagcctca atcacactat gtgcctgtga ggggcatttc tctttccaca tacattatTT 60
aacaaatccc aatggtgatg acgcgcataa atgatccccg agcccgatgt tcaaaagtca 120
agatgtacca cgactagatg ggcacatcat accaaatcat actattacta agacacgttt 180
ggatggatgc aggaaaaata tactgtctct cgagatgaag aacggaagcc gaactcaata 240
ggaagagaga acataccgac gtatcatgag cgtaacaact gacctatcat atct 294

<210> 35179
<211> 227
<212> DNA
<213> Glycine max

<400> 35179

ctacttcatg cactcatcta acgacaatag catcacttct ggcactaaat tgccgggagt 60
tggaagccat cttctcaatt aaatttctgg cttcagcaag ggtcatgtgt tcaagggtc 120
caccactggt aacatctatc atacttctct ccatgttgct gagtccttca taaaaatata 180
ggacgagaag ctgctcagat atctggtggt gagggaaact agcacat 227

<210> 35180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35180

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gatgatgcca aacttgaatt gccatttgag tgcactctgga gagtcttaaa ggtaaaggct 120
tttcttagac aaacctgaaa gtttcttaac actaagagaa gcatcaattc atatcatcat 180
catcattaag tagagttata tatgaatgta tattctaata caatgctaata gcaatttctt 240
tttttttttt ctttatcccc ctacataatg ctaatgcaat aactatgct aatgcaatgc 300
actatgctaa tgcaattttt ctcccccttt tggcacaaca aggccaaaaa gttattacta 360
ttcatagaat ataaacaaac aagcatataa tgcgaaaagg gaaaatatca tggcctttta 420

ttcatataag agccattaca acttagacat 450

<210> 35181
<211> 325
<212> DNA
<213> Glycine max

<400> 35181

atctgaggcc aactataagt ggtctttcgg ctagcacagt cggagcaccg ttcaaccact 60
tggagttatg gaagatctac tcgccaaagt taatggttcc gttttccttg aacattttta 120
cattttggat atggaagatg attcatctag atatggttct atattgatcc taaggagacc 180
attcctcatg acagcccaga ccaaaattga tgtgcatata cggacacttt ccatgtagtt 240
tggatgatgat gctgtgcagc tcaacatctt tgatgccatg aagcatccct cacaagacca 300
ctcactcttt cttcttggat gttat 325

<210> 35182
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35182

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agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
caccocctat aatagccaag ctacccccca tgacaaaaaa catgaaaata caaaaaaaaa 240
gtccttacta caaagactac tcaaaaggcc ccgaaataca aaggctaaaa cctatactc 300
ctagaatgac caaaatacaa ggcccaaacg aaggaaaaac ctattctaatt atttacaag 360
ataagcgagc tcatacttag cccatgggct cgaaatctac cctaaggctc atgangaacc 420
ctagggcctt ccttggatct ctagccagtc c 451

<210> 35183
<211> 431
<212> DNA
<213> Glycine max

<400> 35183

gcacaaggca agataaaatg tctaatagaag aattgaagtt gcaggatcca cgatgtcgga 180
tacaatgtcc tgacatcctg cccgaaaata ctggagttgc tgcacaatgc ataagtcaag 240
ataaagtgtc aaatgaagca ttgaagctgc aggatccacg atgtcggata cgatgtcctg 300
acatcttgcc cgaaaatact ggacacataa atctgttata tctttaacag attattgtgc 360
agttagcaag agattagatg atctatcttt aggaacgaat taaaagatca ttanagttcg 420
aatttc 426

<210> 35186
<211> 446
<212> DNA
<213> Glycine max

<400> 35186

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aagaacggtt gagaatcttc gcgtaattac tcacgaaaac gttacggaag cgctcgggtt 120
tggatcttct tcacggaaat aattttcatc agcaatttcg agagaataag aagtgccaaa 180
aagggtgaac ccttttcttc ttcactcctc cccctattta tagcaaaata ggggaggagc 240
ttgccacca gctcgccag gcgagctcag ctacccagg cgagcaaggt tgcttcctcc 300
agaagcaaca accttctgga ggaagaatct ggaaggccca agtgggcccag attgctatct 360
gtacccccac tttttactaa acgcaccac ttctactttc ttggtaattc tttcttcgta 420
acgttacgaa acttcacgaa tttcgt 446

<210> 35187
<211> 429
<212> DNA
<213> Glycine max

<400> 35187

agctttgacg gctattcctc cttgtttttc ttttgccctc tctgatattc caggcgtgag 60
aagggtcac tgacctcgtt gagcgagtaa gtgaagctct cgctcagtgc caaacttgcg 120
ctaagcctgc aagggtgacg atgactctct gagcgagctg atgacgctct ttgcgcatgt 180
ctgcgtgacg aatacccttc cacattcctc ctatctgcta agcaccgtga tgctcactt 240
agcggatgac actcgctaag cacattgagc tcgttttagc agacatcaac tctattatct 300

<213> Glycine max

<223> unsure at all n locations

<400> 35190

tgccttcttt tatnnttttt atcgcgagga atcttatatg ttaccaaggg atctacaaca 60
ctcacacacc ttgttttagcc aactgagcta aaccctttg atgccttctt ttatatatat 120
atatataact tcttttatct atttctagta tgtatacccc ttttctgaat tgatggaata 180
tctgaatata gagcttttgc aacagtcatt tattgtacaa tatcacaact cactagggta 240
ttttttttcc atttcttctg atatcatgta gtaattctct tcgggcttct cttcaaaatt 300
tggaaagagt ttcacttagt tcaacagggg tgaatacaca tggacatcca aaacgtaatg 360
atgattgtga ttgcactctc tgcctgaagt tactgtatga acctgtcaca accccttggtg 420
gacattc 427

<210> 35191

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35191

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taagtattta ttacctatac ttaacataaa atacttatat cactacaaaa taaccataaa 120
ttgggagagt ttgatataat ttatacaagt ttatacaca aaagttagtc gtgttcaccg 180
actaacacaa cacacatttt ctttgattgc tttttttttt ttacacaact tatttggtat 240
gtgtgtgctg atgctttacc tttttcttta caccctattc aactccactc ccccaaattt 300
ggggtaagtt tgccttgaac catatgctct cctagaatct aaacaaggta tttggagata 360
attatttaag ttcggcggtc aattntgaca atgtaattca gctcanaaag ggtgcaaagg 420
atacaattat tattcaaggt aagc 444

<210> 35192

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35192

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 caatcttttg aatttgggac gatcgccct ctcaatgagt caatctcttt ctttctcata 120
 aggatggacc cttgggtact agtaccctcg tcttcagagg gctgctcgcc ctcgctctca 180
 aaggactaca cgtcctcgcc atcaaagggc tgcatgccca cgccatcaga ggactacca 240
 tcctcaccat cagagggcta cagccctca ccttcatagg gttacacgcc ctacacctcc 300
 gaggactaca tgcctcacc ttcagagggc tacacgacct cgcctttaga ggacaacacg 360
 tntctgcctt ctgcttcgta gggctacacg cccatacctt tagaggacta caogtcttcg 420
 ccttcagagg actacacg 438

<210> 35193
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35193

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 tttcaccatg gtcatacact gtttatatga aatgacaaca tgagagtaag gaataatcct 120
 tatattggaa caacagaata ctgcaacaga ttctgaaatc tgttatccat aacagtgcaa 180
 caattttctg aattgtaatc agttgctaag ttattatctt tctagtgtt tatccttcta 240
 gtgctttatc tctaattttc tttatctgta atttgaattc ttgatttgct ttatctgtaa 300
 tttgaattct cagctctata tatgtaactt atatcaacat caatgaaact gagctcttta 360
 ttctattcat tctctctatt ctctatacct cacacgatag cactggatt aaagagcana 420
 aactgcgtag ttaaagtgt catgctattc ta 452

<210> 35194
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35194

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 attntccacc atggaatgca gcggaagaca aaggagaaga ggtgagagga ggcgcaatcc 120

attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
 cttggagatg atgcttcaat ggaggaaaag aaagagagaa ggggggagca cgaaattgaa 240
 ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact ttcattcatc 300
 aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt ccttgagaag 360
 ctntcttgag aaaacttcct tgagaagctt ctttgagaaa actctcttga gaagctagag 420
 cttagctaca cacacncctc tcataactaa gctcacct 458

<210> 35195
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35195

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 ctcacatcac cagcaccaaa caaacacaat tgaagcggtt gananctgaa accntcctag 120
 caccctggan gcatgcaagc taccaaccag cctcttcttg cgctacttct tggcgacta 180
 ttcccactgc actgacgaaa tatcacggcg aagtgtacgc agccacatca ttgctaccat 240
 cgccacacag acacagaaca atcctccccg agtcacacaac ggagaaccac cgaaccgggt 300
 catcactcac caccacatac gcatcccata ctgaagtcca cgccacatca ctcacctgaa 360
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 acgacaatac gatgacgaac gcgactcccc ttggacgcca caaaacacaa cgcaattcat 480
 caatgagaac gctcacgaa agaccaccac atcgacctac acaaactgcc cactaccctg 540
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<210> 35196
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35196

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 ggcaaaatca caatgaacat gttagattgc taccttttac ttttgtgtat ctctgttgag 120

gatggcatct aacttgattc aaattattat ttgttatggt ctacaggtta nggagatatg 180
 cggttgagtc atacttgga caaattttat cacatgggtt cttccatgct gaccctgtga 240
 gtttgtactt ttagaatcaa tatcagaaat ctctctatat attatgttac attatatatg 300
 gattagctat ctggtaaatt gtatagtaaa gccaaaatgt taactgtctt tgaacttgct 360
 cttatgttgc aacgctagca tctattgtct gagcaatgag atgtacgcta cttgtgtttt 420
 acaattatta ttcttttgct ag 442

<210> 35197
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 35197

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 gaagagaagt tcaaatccat agccatcaaa gtctgaaaag agtatgatga actaagggac 120
 gtcaatatgg ccaccgctga agccttgga cgagaaacca agaaggcccg aaaggaagaa 180
 cacgtgccag caaagttttg aagggtttta tagggcagca atagtaagct caagctccga 240
 agaggtgaaa ggaatcatca tgggtcaaag gcatgatctt gaaggacgag ctaaaggctt 300
 accttaggtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgag caaaggctag 420
 aggatgagta cgccaagata tcagcag 447

<210> 35198
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35198

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 aactggtcac tagaattgat gaaccacgag ataatctcct tggacaataa tttctctcga 120
 atgaaatgat aatcaatctc tatgtgttta gtcttttcat gaaagactgg atatgacgca 180
 atgtgaagag ctgcctgatt atcacagtat aacttcattt gcaccacttc acaaaattcc 240
 aactcttggg gaaattgttt aatccacata agttcacatg taaccatagc catagatcga 300

tattcagcct ctgcactaga tcgagcaaca acagtttggt tcttgctctt ccaagcgata 360
acattccctc caataacaac acaatatcct gaggttaaatt tgctgtctat gggacaacca 420
gccaatctg catcacaata tct 443

<210> 35199
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35199

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annaacgcgg aanaacctgt agaccgtcgt cgtacgncac accatagaaa ctcaagctcg 120
cactctcgag aagcacgaca acattgtata tagacgagat catcttctct acatcccgcc 180
tagagccgag acgcacccat agaccggagc caacaaccaa attgccacag aaaaccaata 240
caaaccctcc agccaccgga gatgacatca caaagaagac aacagcgaag catccccct 300
ctaagtatgc accgctgaga gatcacacgc agaccaagct aaagacacac acaaaacatg 360
cactcgctta accagcgcca aaaacgaggg gcaaaccgag tcagccatcg ccgcatacgc 420
ttcgaacacc cagcctgca tacgaccact gacgccgncc caaccaaacc gagccacctc 480
gaacgagaca tgcggatgac ccgacacctg aatcataaac ggcagaaccc tgagtccatc 540
cccactacgc gcgaacgagc cgaag 565

<210> 35200
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35200

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gggggggggt gaccatatga aacgacaact cgatagtaac gactattcct tgtattgaga 120
caacataata ctgtaccgga ttatgaacta tggatatacat aagagcgccg actatctctg 180
aaacgtaatc agttgataga ttattatctt tatacagctt tatccttata gtgcttgatg 240
atgaattacc tttatctgta atccgaattc tcgacacgcc ccatctgtaa gttgaattct 300

cacctcgata tatgtaactt atatcaacat cactgagact gagctcatta ttctatacat 360
tctctgtata ctctata 377

<210> 35201
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35201

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tagggctaca gacgtcttag aattgatata tacgaatata tgtgggtcat ttcatacacc 120
ttcgtggagt gggtgacaat attttatatc attcatagac gattaatcca gatatgcata 180
ctttgttctt atacatgaaa agccacaatc tttggatgtg ttaaaacatt taaagtttaa 240
gttgaaaatc aactcaacaa aagaataaag tgtgtcagat ctgaccgtgg tggtaaatac 300
tatggcagat atgacagttc aggtgaacaa tgtctggngc cttttgccag gtatctagag 360
gaatgtggaa tcatcccaca atacaccat 389

<210> 35202
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35202

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catgtgctaa cgaggtttca tggccttgct cgacaagacc tgcacactca ttgcatagaa 120
tgtcacatcg tctgctcaa cataatgacc tcagatgtca catagatgat cacacactca 180
ctgaccgctt tttctccttc attacatgga gtggcacatg actgactgaa ttaccttgct 240
ccaaggcca tcgccagctg ggatgacctt aatagactat ttcataaca aattatgtct 300
gctttcagca ccacatacat tangaatgat atctccagtc ttacataact cctcggatac 360
agcctgttg actactgcta gagattacac aactatgtgc c 401

<210> 35203
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35203

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cacacgactt atgagcgttc gacaccatta cagcttcaag gccgataaag ccatgggtcat 120
tacctcccgt agcgacgctg gcagctcatg gactactagc atgctgattt actagaagag 180
ataccgcacc ggctcgtggac atcactgggtt acccccatcg gctgggtcaat gcacatgtag 240
ccttgattct atgtcacgct tggccacata cgacgccgac atgaccactg tccctgcgaac 300
tgggtcagtga cccctattat gctgagctat agccactcat ggattccgta ctgctggaga 360
cgccagtatg cactatggca gagaggaacc gttgatggtc gagagaggca tccagtcct 419

<210> 35204
<211> 219
<212> DNA
<213> Glycine max

<400> 35204
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gaccttaaatt cctataacgc aatgcggcca ctaatagcgg gcagttaact tgactgcgca 120
ttactgtcaa tgccgaaagt attctgcact ttactatcca tgttcacaca ttattgcaac 180
ttgtgcttat gccagcatga actacttcca atatataca 219

<210> 35205
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35205

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atgtgctcag atatgtgggg caattttggc ttgctttgct gcttgattgg gttggattga 120
gggtctgtat gggatggccc taggcctata atgcattctg aaacaatggg acatgccaca 180
ttgtaccgct tctcttgcta ttgataccta aacgcgcgcc caccaagtgt tcggtgaaat 240
gcctcaatgg cattagcgcg tgactcttgt aaggaaacaa cccatggggc attttggatt 300

gcacatatta tctatTTTTT cggacatgca ttcattcccc acagacgcta gagtatttgc 360
ccacatatat cctatgtcta ggaactaaaa ttctatgcac aatgaacac 409

<210> 35206
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35206

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cgattatcgt cttctatttg acacgatctg cactgcagac tatccggaac caaatgacaa 120
gaggacggac accgccgaac gaacgcaacc atcatgacgt tccaagttag gactcaggaa 180
ggctccaagt tagggcaccg cgtaacagct accccagtga gactgccttg ggagaaatgt 240
attagcagat actcatcaat gacgatgccc ttatcgttcg acgatacata ccaggatggg 300
tcatgcgga ggtaaccccc ttgtactagt cagagtacag caccatgaac tcgcgagggg 360
tgacgatacc gggaaccacg aacaccactc ctaggaagca aaggcacaac tgtacacgct 420
caaggacgtg accgatctcg 440

<210> 35207
<211> 391
<212> DNA
<213> Glycine max

<400> 35207

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agaccttcaa tcctattaca caacgtggcc gacaaaagtg ggcagttaac tcgaatgggc 120
attattgtca atgcagaagg tattctgcgc ttactatcc atgttcacat attattgcag 180
cttgtgggta cgtgagcctg aactactacc aatatataga tgttggttat acaaatgagc 240
acatcgtaaa agcttactcc gcacaatggg ggctcttgc gaatgaagcg actattcctc 300
cttctaata cgcatggaca cttatccatg acccaacagc aattcggtcg aaaggcttag 360
ctatatcaac aaggataatg aatgagatgg a 391

<210> 35208

<211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35208

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tcttggcact gtcattntcg tggcatctga ggggaccatt attacataca ttctttgtcc 60
caccgaatat aactcgctaa gattttctgg ggaaacaaac gatctgcata attttctgag 120
atgaagaaag ttaaaggaag gagaatctgc agttggaaga tctctcagct cacgaatctc 180
taatgttgat ggcttgcttt tcatactcaa attaaagtgc gtgtgtgttt gtgatcaatt 240
aattaatggt gagttttaat caatggagta tcagtttata tatattttacg acagcagcac 300
taaactttta ttaagaaaat atataccact gacatgaatt attcaatcaa tcagcatgac 360
gacatatcaa tgctatccgc attaatatag gaataaaagt acaagtttat attattaata 420
attaataatg ttcaatgaaa catgga 446
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<210> 35209
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 35209

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agcttttttg aaggtgcctt attgtgtgtt gttttacctt cctgagacaa tttttaagtt 60
aaccctcccc aaaattaggg gcatatcatg actaacatcc ttatgctcta ttaaacccta 120
atacaaggta ggagataatt aaagtaggct taagggttct acaaaaaaca tgattatcat 180
ttttggctta aataacgtgc aagggaataa ttatcaccaa aggttggctt tttggctaag 240
tggcttaaaa taagaagaaa cattgccttg atcattacca cctcatgtaa ttaatctaac 300
agtctaagaa tgatggaaaa tcgggaaatt aaaaatagac gttctctcac aagtaagtgt 360
cgcacaaact accgggacaa aacaaagttg ttagcttata gcaccatgat ttctctcaga 420
tggaactaac t 431
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<210> 35210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 ttaagtacat atttttttat actgaagaac aaattaaat tgtaaattac tgatttcttt 240
 atattcgtaa atgtggttca aagaccatat cagcattaag aacaaacatg ggcttttagct 300
 tcatttgaca atttacctt gaaaaatatt tatcaacca atatccaaat tagaggaatg 360
 actaacattt cacagtggca atgtactcaa aatattgaat gttattactg taatacttta 420
 gaatgaaatg agagatttat ttattgga 448

<210> 35213
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35213

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 tgcttacgag tctacttaca tgatctaatt gatttgaagg cttataata atgagatcat 120
 gattttttat ttttctaaat attcattata gacttaattt atggtgtcat ctttaactta 180
 ccatcactta tgactatcac ccaaaaaatt ataaccaaga ttatattaca tattactttt 240
 catcaaatca tgtttgactt gaataagcct cacttggtta aaaaatctaa aatcaaagac 300
 catcaagtat ttatcatata tttcacttgt taggcttgac ttaatcattc ttagcttata 360
 tagttatgta tgtcaaacta cttgttaggg gttggactnt caaataggac aaatcattaa 420
 agtaagcttt aacttcact tgtcaagagt g 451

<210> 35214
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35214

agcttgtaaa tgttntanaa tagttaaaca attcttgana actattatct actctaacac 60
 tcttcttaac actctgctaa aattcatata acttctatgt ggatctcatc atccgtttga 120
 ttagtcacat actaaattgt aacacctaca tgaatttcaa cgattaagaa aaatacattt 180
 aaaaaaatag aaaatatatt aataacagtc ttcacagttc taccagtgc aacacccatt 240

tgataacttgt ctttatctaa ttctttcttat tacgtattcc tctctcttgg atagcaatgt 300
 atgtttttcc ccagcataaa tactcgtggt gtagaataag ggaaggagagg gaatgtaatc 360
 tccaatccca aattgttgat atcccttgaa attcttggct actaccactn tgcttattat 420
 agctaatacac gaacaaactt attgtag 447

<210> 35215
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35215

ntgctggcgt tgagaagata tcacatgttt gtcacatca ataagttgga gaatgtgaat 60
 gtatgtatac atgnatttga tgatggcaaa agaagaatca cacaatgctc atatggcttc 120
 aagattaaga caagggatga ttcaacaaac aaagacttgc atcaagattt cttcatgac 180
 aagccttgcc acacaatgaa agggttcaag tcattcaagg cacatgcaat ctattaccaa 240
 tggctcgaaa gtgtgtcatc gattacacat catatgtaat cgattaccag agactttgaa 300
 cgttgggaac tcagatgtta catgacgggt cacaactcgt ccagaaacac tattgtgtaa 360
 tcgattacac tatatctgta atcgaatata agagaggatt ttcaaggcat atcgccaaca 420
 gtcacatctt atca 434

<210> 35216
 <211> 419
 <212> DNA
 <213> Glycine max
 <400> 35216

cagctgtcag aagcgagtag aagatcattc tttcagaggg ttatgactta tcacagctct 60
 acacatgaag aggatcgagg acacaccata cctcaaacta aagtgcctat aagctcatac 120
 taatcaatgt acacatacct ccagcagaag gcacactatc tgagcttcag atgctgacta 180
 ttatggacta cacttattga gtcacata gtactgctcc agagaagagg acaactttgg 240
 cccgacttgt ggaatgtgca tatggtcatt ccagttcct ttgagaagac atagaatcat 300
 tagctgagag caacatcagc ttgtaagctt ctgtcttata gtctgagcac agaatatgaa 360

cccacacata agactgtgaa tacggaactg aacataggaa accttgatgt gtgtctgta 419

<210> 35217
<211> 405
<212> DNA
<213> Glycine max

<400> 35217

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ggatcaatct catactccgg gacttcacga gcattgtgca catgcatggg agccatctac 120
caaaaaaaaa aaggacgttc acagttgaaa cagatatcat ataccgacta ttctaaaagg 180
agtttaacaa ttatgcaatg tcagatgaat tggattatac gtaaaaatca agccttgttt 240
tttactctct aacagtaatt acgatatgat tatagtcttt ctagtgaata atacataaag 300
ataataatag aagaaactgt tttgaataat agttacaaac tgcttcatat atgtagagac 360
aaccaactga tatgataatt ggtaactaaa catatatcat aaact 405

<210> 35218
<211> 211
<212> DNA
<213> Glycine max

<400> 35218

gacgattgtg agggccgtac tacttttaaag gatcaccttc caagtgc aaa gaaatggcgt 60
gattcaccct taagacagaa ctacgcaggt ctgattgtct catcccaatc gaggactacg 120
tacgagcaaa gggacacacc tttgttcagg cctatcgaga gttcaatata taaatggatt 180
aaatgattta cggacattcc agggaacgtc g 211

<210> 35219
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35219

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ggcccaattt ttggtaaatt cattgccaaag ttgggaatga ttaacatcta ttcgccaaact 120
tgaggggggta tcacgattaa gcagttggag ttagttacaa gaagttatth gagtagttag 180

ttggttatgg cagttagttg gttactagaa gttatttgag tagttagttg gttatgacag 240
 ttagttagtt actagaagtt atttgagtaa gctagttggt tactcaagtt agttatttttc 300
 tgtctttgta taaataaacc aactctgtaa tactttgatg aatgaatcct aaaaatgggtt 360
 ttcactctatc tttcatctct gataaaa 387

<210> 35220
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 35220
 gattcaaaga atatgtggaa aagttgtttg taaaggctgt cacacattgt cataatatat 60
 ctcaaaatgc acgtcaaggt ctgcttttta tagactctcc aagtctggtc aagaaaacca 120
 ttagaagagc tataaccttt agaaaaacct gaaaaccatt ggaagagtta catctttaga 180
 tttttgttca gaacttgta ctggtaaacg attacaccat gcatttttgt gaaaggatgt 240
 gactcttcac aattgaatct gaatttcaac gttcaaacac attggtaatc gattaccaat 300
 atctcgtaat cgactacacc atttcgaaat caattgaacc gttgtacatt cagttgaaag 360
 ctcttgcaaa aaaatcttct cactggtaat c 391

<210> 35221
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35221
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 tattcaccat ttttttaata atttatattt tgcattcttc tatatttgta taaatttaga 120
 gcatgaaagc atttcacaaa atacagacta cagaactcat tttgaccaat ataggatgat 180
 atagttggtc ctaagcctag tagctggact tcaaataaat atgggtctcta taaaatatgg 240
 agtcggccac occaatacat tgtcacactt ggctacatgg atcangctac gccgagtcga 300
 ctcacctatt tacct 315

<210> 35222

<211> 325
<212> DNA
<213> Glycine max

<400> 35222

tagcttaciaa atatgttata aattcttgcc catttttgaa atcagatcac agctagatca 60
catcagatgt gatgatgctt agatgacata gtatctatat gagatgccat ctaaatagata 120
tctacataag agaagatcta acttgataga acaaagctag ctgccctctt caagtccaag 180
ctcgagtctg gattcaagcc ctgcgccgat tctggatata gacccaatgc tttattgagt 240
cctgaaatta gagtaatatc atcaaagtag ctgctgtggac ccgaataata ttactgccta 300
ataaatttga caattaggac taatc 325

<210> 35223
<211> 214
<212> DNA
<213> Glycine max

<400> 35223

ctttctccct ctccctctcg cgttgctatt ccctatttct tcttctttat tgaagctcca 60
tcaaagctgc aacctttgct caccatttct gctccacatc gcagaaggaa gccacttttg 120
gaatcgtgaa atgcacctct acgttggtggg acttcaaatt acaagtctgg gtagacttct 180
tctcacataa aatttagtgg gtatacgggt gttt 214

<210> 35224
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35224

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tgggctgtat gactgcaaca tgattacact gaatttggtg tagtatgacc acaacaagtt 120
atggaacana actcanatat aatttcttag aagccattat atcatgctct aattaaat 180
gaagttaagc ttctataatg tgtattaaag gtattattag agaattatat gaattaaacta 240
tgtgaaactt taatcttgat tgaagaacga caatcaaat ttgcatataa attttatcct 300
ttntgataga ttgggtatgg tggtattctt taaataatga gatttacgct ttgattgcta 360

agttttgctg tgggaattctt ggagaagtgt gctacaacat cttgaatttc taggagcttc 420
acttaatcat ggact 435

<210> 35225
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35225

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ggaatcttct ggagggccca agtgggccta gttgctatct gcacccccct ttctatcttt 120
ttgtaattct ttttccgtaa cgttacgaaa ctttacgaat ttcgtaacga tacttatttt 180
ccttccgtaa ggttacgaat ccttacggat tatgtattta ctctttttta cctttcgaag 240
aagttacgaa aactcacgca ttgcacaaaa acacctcttt tcaacttccg ccacaatacg 300
gaatttcatg gatcgcgcaa gcctgcttcc tttngatttc tgagacgtct cgggacttca 360
tttattgtgc aacataggac gccaaagtatc tcaaagcggc taaccaaagg tggcatgtta 420
tcaagtaata 430

<210> 35226
<211> 349
<212> DNA
<213> Glycine max

<400> 35226

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gaccactgtt cttccttcat gcgacgctac ttcacatgta cgcctgagtg ggattataga 120
ctacaccata ataccacca ttttctaggg gttatatcaa gctacgcatg ccgccaatga 180
ccttgcttaa gaccgtccta gttttataac cgttcccca catgactcat accaccatta 240
cacgcgcttc atacagacat tgtagcccaa ctagggagac cacggaggaa atgctgacca 300
cctgacacga ctgtaaagcg gctgctaacg attcttctgc ggataccac 349

<210> 35227
<211> 447
<212> DNA

<213> Glycine max

<400> 35227

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atcatcatgc tttgataaat gccaaaaaaa actagggcaa atgaagaaca ccacctttag 120
cacataccta tatcaaccac aaagtctgtc taccgcactt ccaatgacga acaccacctt 180
tagcacatac caacaacacc aaccaagata tgaattttgc agtgagaaaag cctgtacaat 240
tcaccccaat tccagtgtcc tatgctgact tgctcctata tctacttgat aattcaatgg 300
tagccataac cctagccaag gatcattaac ctacatttct ccgagaatac gactcgaacg 360
caacgtgtgc ttgtcacgga gaagccctga ggaattccat tgagcattgt atggctctga 420
agcataaggt gcaaggtcta attgatg 447

<210> 35228

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35228

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acactgctct ttctgctcct tattgcttag ttaggaattt tagctttgca gataaagctc 120
agaaagtttt atagttgtaa aagggttaatt tttttctgat cttattcctc ttcccctaca 180
tttaatttca ttactttttc cacttactat gttgttgca ccataaataa tttattgatt 240
atatatatat atatatatat atatatatat atatatatat atatatatat atatcaatat 300
gagtactaac aacacatata attgaatatg attagatata tatcgataaa acatatctga 360
taattttctc cacaactttc agttgtgctt atggctctat gcagataatn ggtcttctga 420
gtagacaata gttgacagtg gagccagct 449

<210> 35229

<211> 340

<212> DNA

<213> Glycine max

<400> 35229

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gagttattat ttgatggcgt taccatgctt gctcgtctag tatattcctg ttttgcgcta 180
tcaaccgcat gctctcgcgc atatatctat attgcgccat cactcatgtg ttgcattagt 240
ctagtaattt tgtcacggga agtcgtaagg gccgaatcac ctttctaaat gcatacatgg 300
cgaactgtgg tgatgactgc taatgaacca tgacgccoga 340

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<210>      35230
<211>      445
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35230

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ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gttttgtttc 180
atacgataac ttgttttggt ggctatgctt catgatgtat tttgggccat acctgatgta 240
cattgtatat tggttaaatg ttggacatgc tgaatgaaat gttgtttctc aaaggctata 300
gagtaaaaaa aaattgaaaa agaagaagaa gagcaataaa gtttagggaa taagatctta 360
aatgacaaaa gaatgatgaa actcttgggt ctactctnta tgtttaaant atatctttac 420
ttcttttttt tttcttaata tgaac 445

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<210>      35231
<211>      412
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35231

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taagagatgt accttctttc atgtgtaaac caaataaacg cctcttcaag aagagcttgt 180
tgcagattga cttagtcata tacaactttt ccaacttgag ccataagcca cttgcagttt 240
cttcatttgc aacttcatat aaaacttcat cagacaagga aagcaagatt agtgagtgtg 300

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ccttttcttc ttgttctgca agttcttcag tctttgaaat agaggccttt tcttttgatt 360
cagaagccac ttctttcttc acagatgcag aagcaacaat agcctaaaca cc 412

<210> 35232
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35232

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ctagcatgcc acatatcaga acattcaaca ttgacacaaa agaagaaaca ctagatattt 120
tattaataga aagagatata agacttaact taaacatata atcacaaatg tagcctttac 180
caataaaaaac accatgtcta gtaataacaa ctctattgga ctcaaaaaaca accttgtacc 240
cttggtggac taacaaagaa gtacttatta aattttttct aatataaaaa atatgataga 300
ttccatctaa aacaagaaaa ttccctgaag atagctctag cttcacttgc cttctcctaa 360
cacatgtgcc atactctcat tcttcattct catagtacgt gtgcttgatt cctgatataa 420
agaannataa ttttttatca gcacac 446

<210> 35233
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35233

agctttagg attatgngt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttgtccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180
cccatcaat cctctcaagc ttccacaaca tccaagcaga acaacattca aacagcacia 240
gctatcacag ccaagcaaaa tagagcagag gcagaaaact ctgctcaaac accaaccaaa 300
atcacagctt tttctcgctt anagacccca gtaacaattc cttcgatcca attcggttaac 360
cgttggatcg actogaatat tctactagaa gtctctagta cataagccta cattgtgacc 420
gttgggatct acta 434

<223> unsure at all n locations
<400> 35236

tnccttggac cttgaacagg caactaactc ctctntcaga tctatgctat gtgctcgcga 60
ctgggccctc tcttcccttc gcagcttgag ttactattg ctacccaca gagctccgcg 120
aaatttattc cagccatact cttccttgcg agccctcttg gtctcttggt caagggctct 180
tgcggtagtt gcattctctt cccgtaacct ggacactcc ttccgaatgt gtgtagtggc 240
caacttgaac ttctccttgg caagtttcgc ctttcctaac tcgcttttga gagcttggac 300
ttcttcgtcc tgttcgggtg cttcaaaact ctcttcgctg acgactttta acttgggtgag 360
ccaatctaaa cctcgtatat gaactttcaa ccattcatgg taccaccaa tgatgccatt 420
acgaatgccc ctaagttctt gatc 444

<210> 35237
<211> 414
<212> DNA
<213> Glycine max

<400> 35237
agctggctac attgatgcat actgactatg gcttgtgcga ttttggcact taaatacggg 60
aggctcaagt tgtctatcaa agaagatgat ggtgagagta ctacctcta ttaaccaccc 120
taatcaactt tgtgaaggaa gatgactcag catgaaagtg ataacgagtt ttccgcagga 180
gtcagactag agctaagaag ccgctcgagc taatacatgc tgacgtctat gggcccatca 240
agccatgctc actacgtaaa ataattatct cctccttttc attgatgact cttgaagaca 300
aacatgggtc tattccgtat agcacaagtc agaagtgttt tctgccctta agaagttcag 360
agctacagtg gagaaagaaa atcgcttatt tatccacgcc atgaggattg accg 414

<210> 35238
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35238

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gaaaatgtgc tcgtcgtcgc aacctagana ctnaactgac ggacgcgacg gaaagaatat 120

ggagcaaaac gcctccgctt ctattgtata gaccngtgcg ccagacccgc gaggcacgta 180
aagaaacatg caacattccg cacacacgag gaaacactgg aacattaagt aagacaacga 240
gatgctagac ttacgagcta ctgtaagtgc tagacgtccg cctaccaata ataacacaca 300
cgcaaggcct aagcactcta ctgaagtgga aaacaaccta gcacacatga aggacgaaca 360
aacaagcacg gtacatagag gatgtaatat aaaaaatatg agagatgaca tccaagacga 420
gaaaataccc tgaagatgga ggaaggacac ttgccggatc aaacaccaga ccctacgctc 480
accctctga ccacagaacg agcgcgagat acggaatgaa gacaacaatc tatggactca 540
ggccg 545

<210> 35239
<211> 130
<212> DNA
<213> Glycine max

<400> 35239
ataacatatt catgatttgt tggcatgctc accactgttc gtttctttac gaaactcccc 60
ataacaaaaa aagcgcaaac gcaccctat aacacccgat ccaaaagtaa gatgggtaag 120
gaagagggag 130

<210> 35240
<211> 416
<212> DNA
<213> Glycine max

<400> 35240
tggcttacat gagtctacac gtacgaggga tcgaggttta tttctttagt cttcagcata 60
gaacacacga acattcttaa ttatagaaat atctttatat gcatcagctc gtttattaga 120
aagaccaaac gcttttaaac cactgtcgtc acttttaatt ggttgagggtt attgtttttc 180
taattaggat atatcatact ttacttcaa ttcacaatta ttattttctg tcaacaaaat 240
gcctgattat tgaacaaacg cttgccaaat aaacaagttc cctgtgttcg atactcagat 300
cattccgttt taattttaaa taccggagc gcttgctagt atatcacttc ccctttgata 360
tgatgctgaa tgaaacttgt tcacatttaa gggttttaca agggtcataa agaaac 416

<210> 35241

<211> 400
<212> DNA
<213> Glycine max

<400> 35241

tctgcaggcg agctgcacgc gtgcaagctt agggatacca gcagcatatt atagactttc 60
atgcttgaca ttattaaggc tgtatacttg ttcaaaggac acaagaattt tagtctacaa 120
catgtaacag attaacagtt gccaaaggata aattacctgt actatcaaga caatagctct 180
ctgatgatgc acacggcagt caaatgatac gctccgcacc ttgctagcaa gtgatgcagc 240
tccacctgag ttactattta ccattagaac gttgaaagta gaacagatca catagaacca 300
cgatggaaga aaaatagtat aagtactttt tctcgtacag acgaacatac tcaattatgc 360
taacgaaatt ctgaccatct gcatacacag ctctgtattc 400

<210> 35242
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35242

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accanattcc tgatagaggc ccatttaatg cctctacca accctctaatt gttgtaggaa 120
aggatattca tctatgaata ttcctattcc ccagctccat agcttttttc ctgtcccgag 180
actccatatt agcaaagctg tgaatacctt catcttggtc tatatcagcc tgtatgccta 240
taatttttgc aagggtgcat tgctgtttgg cttcttccat gacttgngaa ttgctttctt 300
ctatactttt taattcgtca tatgcttcag agactctgtg ttttgggcct ctgtcttgga 360
actcacttac atgttgctga tcaatacctt catttaacat gnttggtctt tctgctacag 420
gctcgangta cttcctcttt gggttgata 449

<210> 35243
<211> 373
<212> DNA
<213> Glycine max

<400> 35243

agcttgagat gaggaagtgt ataacggtga acttcctgct tttattcggt gaccacagag 60

tggtagctgg agatatgtcg cggcggtcat gagaccttgt ggacgtcagg aggggtgcca 120
 ttgccccaaa ccaagcttga ccaattccaa cccaactcgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctgct ggcagtcaac agataatagg aacaaagacc 240
 acagagcaag gaggcttgtg gtggctggcc aactatgaac tcgatcgata tgtgggatat 300
 ggcctctggt aatcgattac caagggttgg taatcgatta caaggcttat gaatgaagac 360
 atgaggctaa cat 373

<210> 35244
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35244

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 gagacatctt gcgaaacaaa gtcagggttag ccatgactcg cctgtgcttt ttcttgcatt 120
 ccatatgtag caaagtcgtt gatccctgca agtatgatga gcagtgaat gaggctgcaa 180
 ttatactgtg ccagttggag atgtattttc cccctgcttt ctttgacata atgattcact 240
 tgattgtgca gtggatgtac ccggttgagc gatacatgaa gatcttaaca ggggtatacag 300
 agaatcaata tcggctagaa gcatctattg ttgagaggtg catctgtata agaagccatt 360
 gacttctgtt agaatacatt gagaacgcta tacctgatga cctctctgag tctcgacatg 420
 atga 424

<210> 35245
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35245

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 tgtgatcgac tacctcatan ttgggaatt taagaaagta atttttgacc atttttaacc 120
 tctaaaaagt tatcaaaaac attataatga ttttttcaag caaactgccaa caaagattat 180
 tttgaaataa ctaatatata ttgtcacatt attatttaat agagaaatat aatgataggg 240

atcaaaatca aattaaaaaa taaattaaag ataaaaaaca atcccataaa aatttaaaaa 300
 taaaaacata atttatccat aaaataatat atattttccg tcttgattgc atgtatcttt 360
 taagttaaaa taatcatata ccaatcgata agtgggtggt ggtccataaan atattactat 420
 atgcaatagc taatata 437

<210> 35246
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35246

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 tctaattttc aggtacaaca actaataatg gtgaacaatc tttcacagt gttctatagt 120
 caaattatctt ggcagtgga ggaggaatat atatttggtg ttagttttgg gagctactag 180
 gtgctgatga caactactac aatgttcaaa gatggatgag tgtttggtgt gaggcaatgg 240
 caaagctttt ggtagggatg tgcaaaatct agttgtttta tttattttaa aattaaactg 300
 aacagaactg aattgtttta aatagttggt ttcttaattc anataagcaa attggtttag 360
 agaataagtc ccanattgat tntgaagaac caattctaaa ttgattttga ttanactagt 420
 ttcgaattga ttt 433

<210> 35247
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35247

gtangaaacc cctttgaaac ttttgacaca ctggtagatc ctctagagac caccgcacg 60
 cacgcaagct tcgcgatctt gaacagggtc tatccaattc aataatcatc tgctcatcga 120
 aaaccagatc aggtgcctga ttagatctgg aatatgtgta attgctagcg tgcagctgg 180
 cgtaattaat tgtgtgcaat ggtgagcgat tacatgcttg ggtgattgag taaccgacag 240
 tgactcgcct ctaagtacat gattcaacat agattccctg gtcgcacca ttgattatgc 300
 aatagaaatt ctgttgacta ctagatatac actatgtaag aagacagaga ctgtctggag 360

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gatgcatctg gaatatatgg gatacgattc gccatgaaca aactgcgtaa agaacaaatt 420
gcctatgtca tcttacacca tactggagac cattggctta caacaaatag acctataatc 480
ttaggcatta tgtcagtgtc tttctccn 508
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<210>	35248
<211>	438
<212>	DNA
<213>	Glycine max

<400>	35248
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togaagggga	ctcctgcacg	tgccaccaaa	ccatattctc	atcatgttat	tggattctat	60
tgagcatatc	cacatgattg	attactgtct	gatgccctat	gcggtgtgtct	ccataagaat	120
cggattttgc	acctattata	ttatactgct	gcactctgac	cttcaatagc	gccggtcatt	180
gaattcccca	tattagccct	cttttgtaca	tgccattggg	gcttttcgca	ctctcaacag	240
gacttttttc	gtatgttcat	tttttagogaa	ggagatacct	aaccctaacg	atatcccctt	300
tctgcccact	ccttgctgaa	tattctctac	attcgtgcct	tctcgaacat	tcgactccag	360
ctgtctgtct	catgattccg	taaatcatta	gacgtgact	caaagcattg	gatgacctct	420
cattatctat	ataccatg					438

<210>	35249
<211>	441
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      35249
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ctgttcagaa	cctgaccag	aagaagctct	ctcatttcac	ctccacccaaa	tctogaagct	120
acatcagaat	cctctatagg	ggccctctct	gtcgccgctt	gaattagcgc	cagtggcatg	180
tcgatgcatg	gcctccccgc	cttgcacttt	tgctcaatg	cagtgggaaa	cgatggcgtc	240
atcattgact	cgggcacctg	cgtgaccoga	cccacctaca	ttgccctaca	agacgccttt	300
tgtgttaagg	cctcgcatth	gaagcgtgtg	tcggagttct	cactcttcaa	catgtgaaga	360
cctatccagg	ctcacgaagg	tgaaggtgcc	tacgccgatg	catttggtct	gtggcctgac	420

gagagcagct cttcatctaa t

441

<210> 35250
<211> 296
<212> DNA
<213> Glycine max

<400> 35250

tcgacgatct ggtccgtaac ggacagagga tcatcactct tctattacta tgttatactg 60
agcattatgc tctggctatt gctacttacc tgtatggctg acgaacaaca ccacctttag 120
cacatacctg agaaaaccac acatgatgcc taccgtgctt acaatgacga gcaccacctt 180
tagctctaac caatatctcc taccaccaa tcatTTTTgc atggagtatg cctgttcaat 240
acagcccatt tccagtgacc tatgctgact tgctcctata tctacttgaa tattca 296

<210> 35251
<211> 430
<212> DNA
<213> Glycine max

<400> 35251

agcttgctga ttacattctc cctctTTTT tcaaattctt aattcttctt gacatcatca 60
aaatcttcat gatttacatt ctccccctt ttgatgatga caaccacctg taggttagga 120
gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaaca attgtctcat 240
aaacaataga taatttttct tactatttta tctccccctt tgtcaacatc aaaaacaaat 300
catgaataga gaggataaag atgttaccac ttgttgcaat gtatgagaat caagtgatac 360
caaaaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac aataacacat 420
caatcaaaca 430

<210> 35252
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35252

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cctttatttc ctanaatatg ctcacactct ctaaaagctt gttaagctnt tttgcttact 120
 tttacttatg tcatttcctt gtacaaatgc tcaacgtgta gcatgctttt gatcaaaggt 180
 tgtacttaca ctcaaaaaaa cttttctttt cgttaaatta ttgaaattca aatcttagag 240
 catattcaaa aacaatataa gaagagttaa ccttaacatt caagctacat aggaaatggg 300
 tctcacccat tgaatcatcc aaaaataaaa cctataattg tgaaattcac aaatgctgcc 360
 ttatctatta nggacaacga aatgggtccg acccattgaa tcaccagtt taac 414

<210> 35253
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35253

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 taatcgatta cacagtgc aaatttttaa tagttgttgt aaattagttt 120
 tggccactgg taatcgatta catcctctgg taattgatta ccagagagta aatctcttga 180
 aaaagacttt ttagcttaaa tttcttggcc aaaccttttg ctacttcaat tggaattctc 240
 ttctactta atataccctt tctaagattc tagagactgt cttgattatc catcttgaat 300
 atctttgatt tctttgtctt gaataaagct ttgtgaaaca tgtaatcctt tggcatcatc 360
 aaaacatcag gttgatcctt tgtctacaaa tcttgaactt attctcttgg gctttttgtc 420
 atcatctttg 430

<210> 35254
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35254

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 gaaacaagtt gttcaataga ctgcaaaacc tttttttttt tgtctttatt aggattgaat 120
 aatgcaccaa gtttattggt attgctgatg tgcatagatg ttgacagggc tgatatttgg 180
 tcttttggga ttacggcact tgagttgggt catggccatg caccattttc aaaatatacct 240

ccaatgaagg tatttacatc ccgtggttgt tcagagacaa tgtctagaca catgttaaca 300
 ttggaccgat tgaagttcat gtgatataat ttgtaataaa agaaaaagag agttcacttt 360
 ttatttcatt tataggttct tctaatagaca atgcagaatg cccctcctgg acttgatgat 420
 cgagataaaa agttctct 438

<210> 35255
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35255

agcttttcgc anagcttacg gtaaaatctg tgtcctagcc atggtagaag tctctacaga 60
 ggccattgcc tccctcatcc agtattatga tcagccattg aggtgcttca cctttgggga 120
 cttccaacta tcacccatgg tagaagaatt tgaagagatc ctaggatgtc ctctaggggg 180
 aaggagacca tacctcttct cagggttcta tccctcatta gctagaattt ttaagagtcc 240
 aaatcttggc gcaggaatta gaccacagaa agcaagtaaa aaatgggggtg gttggaatat 300
 cgagaaaagta tttggaggca aaagtaagaa tcttggcagg taaaggcgaa tgggccccgt 360
 tcatagacat tctcgactg ttgatcttca gaggagtcct ctttcggaat gtggatcggg 420
 tgggtggactt agcagcgatc gac 443

<210> 35256
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35256

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 tcaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccatat gattataatg 120
 acggatggct caaattctca caaaggtaaa atcatcactt tcacattgag ctttcanaac 180
 tatcatgaca ttagagagaag aatcaatgat ttcaagtcac aaaatgtcaa gaacttttat 240
 tttcaaaaca attaccatt tcttgaacat atcctataat tcaaagaata acatgcaaag 300
 tcgtacgcgc acacaaaatt gacccaaaat attactctga taatccgacg aaactaacia 360

cattaacaaa ttaaca

376

<210> 35257
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35257

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aactcttctt gtatctactt tataatttaa agattgtgct aatcagtatc ttaagacac 120
tgattaagaa attcagaatg aaagggttta attaaaaatt gacattaatg catatatact 180
atgatttcca acacactttc aacgtgaatt ttttttaaaa atattttaaa ttccttaatt 240
agtgtgctta agattagaat tgaaggggtt ttaaataaaa aaataaacac ccacttagtg 300
tcaatcatat taatccttat atatcgataa aaaaaaatat attagctcct atataataaa 360
acacttacat gatatatatt cttggaaatg tatttcttta gccatatcag tcttcatttt 420
aagaatcttg ataattacgt tgagtg 446

<210> 35258
<211> 366
<212> DNA
<213> Glycine max

<400> 35258

acgaacccgg aatgggtgta gggaaagaca acggcggcat gactaacctg ataaatgcc 60
aaggaaatcg tgggaagtat ggtctatgct ataaaccac tcacgcggat ataaggagaa 120
gcatcagggg aagaaatagc ggtgagcata gctctgtgga tgaggcaaga aagtgaatga 180
agcccgccct gccacatatg tagatgcttt atatgcgcgg gtctggaata cgaaggctgt 240
gtggacgata catactaaga tgatgttccg agtacattgt atatgagacg accatgccct 300
cctgattcca gctgagaaac agacgagtgg aggaacgcct cggcatttac gcaacgagca 360
taatgt 366

<210> 35259
<211> 362
<212> DNA

actttgcgtt gctgaatttc ttcacatata tattcgcaaa gcatcggctc tttgttgcatt 120
 ttgacaaact tctctacgcc tgacattgca tatgcagttg gtaaattacg aaggtgaact 180
 aataactctg atcattctca ttggattgca ttacaaagag tatttagata cttaaaagga 240
 accatcaatt atggcattca ttatacatgt gatcctgca 279

<210> 35267
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35267

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 ctggtccttt tctttccttc gcaacttgag ttcactattg ctaccccata tatctccgcg 120
 aaatttgatc eggccatact cttccttgcg agccctcttg gtctctcgta caagggctct 180
 tgcggtaatt gcattctctt cccgtaacct ggcacactcc ttccgaacgt gtgtaacagc 240
 caactcgaac ttctccttgg cgagttctgc ctttcttaac tcgcttttga gagcttggac 300
 ttgctcgtcc tcttacgggg ctgccaaatt cccttcgctg acgactctta tcttggcgag 360
 ccaatctaaa cctcgtatgc taacttgtca ccattcatgg taccacacna tgatgccatt 420
 acgaatgcct ctatactct 439

<210> 35268
 <211> 194
 <212> DNA
 <213> Glycine max
 <400> 35268

ggtgctattg cgcacacca atctcgacca aactccacct aaccgggca tagtccgaca 60
 gtgagaacct gtgatgtacc tatacaggcc atctcctggc agtcaactta tgaaaggaac 120
 tgagaccaca aagcaaggaa gcttgtggtg gctggccagc tctgaaactt gattgatatg 180
 tgagatatgg gctc 194

<210> 35269
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35269

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 ttatatagta tatatgaaat tggcctttgt ttccttttca tatattgtaa aagatacacc 120
 atatttaact gtgttagctc ttcattctct ttggccaatt aatgtcttaa atcaatgtgt 180
 gacaaacaat atatagctaa ctataattaa cggttacaaa ctatattgga agtaactttt 240
 ttgtatcagc aaaatagata tattgatgca tgggtggtaca aggggtaccac aattccatga 300
 ttaaatagca actaaccaaa accagaatta caatatgcag taagagtcac taagtgccac 360
 tgatatgatc cgacaaaaag ttccaattat tttcaatatg taatggataa 410

<210> 35270
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 35270
 agcttagaaa gacattatct cattcataac attatgtaaa ctagagagcc atccacaata 60
 tgccaataaa acatatatga ataattaaag gacatagaac acaataccga atgtaagtac 120
 ataccactag ccatatatca ttgaaggaat taagggtgtaag acacataatc ataaacagcc 180
 aagagcaggt ctatataatc ataatgttca ggcatactaa gcaagtgtta aaagaaatac 240
 tacgtgttca aatgtcataa aaacatatgc aaatacaagg cttacgaaca aatataatta 300
 taatctaaat atattatccg agaatcaaaa cttaattcta agtaacaaaa attagatatg 360
 aacacataca tggtaactta ttacttatct cgattaatga accactagaa tgtaagtatc 420
 gaataacaat ca 432

<210> 35271
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 35271
 agcttataaa gataaatgat gacatgattt tttcccaatc acactatgtt gaaaagctgt 60
 tgaagaagtt taattatctt gatgtgaaac ctgtttctac tccttatgac tcatccatca 120

agctaaagaa aaatttgggt aaaggaattt cttcacataa atattctcaa attatcggtt 180
ctttgttgca tttgacaaac ttctctaggc ctgacattgc atatgcagtt ggtagattag 240
gaagggtgtac taataatcct gatcattctc attggattgc attagaaaga gtttttagat 300
acttaaaagg aaccatcaat tatggcattc attatacatg ttttcctgca gtaattgagg 360
ggtttagtga tgcaaattgg atttctgatt ctgatgaaac aaaatcaaca agtgggttatg 420
tttttacttt a 431

<210> 35272
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35272

ntaatcacca tccatgtatg aattaaaaaa aatctattaa actcattaaa taaccagcaa 60
agtatagttc tttgttggtg aaatgatccg gaagcaaaac ctcaaacttg attggtcagt 120
atctacttta attgttgatg taagcaagtt cacagtgtga tgagcaacaa atttctcatc 180
atgtactcca ccatgatgat gagaagacag atcgacttaa aagtccagag ctgagagcta 240
ttcctctggc cagaatgttg actactagac ccctacacat gataaataac cacaaaaaat 300
gtttttttat ataaatgttt gccaatat caccctcaat gtatcacttg ataaatgttt 360
tttataaatg gcatgcactt ccggaaacca aaaaatgagt gtgtaaagac aaagctgatt 420
ccaaacctgg ataatat 437

<210> 35273
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35273

agcttaagct cnttcaactg cacaagcctc ttgttatttg aagagtatcc ttgtggaacc 60
ttcacccaac gaagacactg acaaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgngggca agtaaat ttttcccatca gaccttggat gcaactgtga tcgtataccc 180
atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacgaaaga tcaaagaaaa tggacctctt cttccatattg 360
 caactctgac tnttatcctt cttttgggtc ttcccaaata cagtattcag gtgttgaacc 420
 cattgatata cctgctcacc agtcaac 447

<210> 35274
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35274

atgaccctgc aatatgtctt gcacccatgc atggcctggg tgttggctgg gtatgcacaa 60
 ctctttacat aaattttttt attgcatatt caccataaa cacagccaca tatgatgctt 120
 gcttcataag ttcattcat ttcattgggtat tcgattcaaa attttcaacc aagtcattca 180
 tttttgacct gtatagaaac aatattacaa aatacaacat atatcaagat acacatgata 240
 aaacataagt tcattaccaa ccataatatg gctcgggtaca agccaaataa gaaacataac 300
 caaatttgat aacaaaacat aatatgagtt caatagaaca tgactcatac caccataagc 360
 aaacatctaa gcactagtagc ataatagtaa gccaatgca 399

<210> 35275
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35275

agctgttcaa atgggtaaaa ggctcacatt ctctttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctagacaca aagaagggtca tctaagtttc atacaattaa 120
 tatagaacct atatcctaatt gccacatcct atcagagcgt ggtgtccccg tgtcctctag 180
 catgagggtc ttcattagtca tccacctatt catctgctcc cccgaacaca aagttcaaga 240
 tcatcacagg attcaaacac aaacaacaaa ccgagagtga gttatcacat ttctaactac 300
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360
 atttcatcac tctgtcatte atcaatcaca cttgtcatcc atcaatcaca cttttcaatc 420
 atcaatcaca atacacagga atcacacac 449

<210> 35276
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35276

ntgggttaagt catatgtcta ataattgaag acttttagcgt tctcttttgaa tttaaaataa 60
 actatgataa aagtgactag caagggtgaag atgacacatg cggtatagtt ntatttaaag 120
 catatttcta gacaacattg aacttcaact aactaaggggt tgaagttcta gtggcttcat 180
 tctacaacgt ttacttagc ttttctagcg aacacacctt tataggtagc tctttccaag 240
 acaattgcaa gctaacggta attgaaatta agacaatatt ctaacaaaaa taattcttaa 300
 aagntaaaca ctattctcgn tcaaaaataa cttttaaaaa tactattatc tagtaataga 360
 ttgtaaacac attgttattt aagacgagga ttcaatgtta tgatataaga gagatagagt 420
 ttcttatata tacttttgac tttt 444

<210> 35277
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35277

agctcgggtgc attgagaagg atctctgtcg agttggaagg acttcacttt tttagtgggt 60
 ctcactctcg actttgcttt tatcaaactg agttcagttt ctcccaagtt actattgagg 120
 gaggcgcgatg ctaccgattg tactttgggc tttgctaccc ttttcccttt agcaatcttg 180
 aggcttataa tataacattc cattccactc atttgatcaa ctctgatagt gataattttc 240
 ccatcctcac ttgggaactt catcgctaga tgcggagttg aaatgatggc ccctaactcg 300
 ttatgtgaag gacatcttat caatatattg gaaaaagtca aggcgtcgac taaaaagtag 360
 ttgatcatga tggcctctga cccctcttca tctttgaaag tagttagcaa gtgcacatat 420
 cctattgtgc tcattgtctc tact 444

<210> 35278
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35278

tatgacctgt acgatacaca agttccctaa gctctgagtt cttatgagtg aaagaggttt 60
atgtatgttt gaccaaatta tcacacaaaa ttagatgact cgtgatgtta gtatctgtcg 120
taagttgtat tgtttagaga cattgtattt tctaatagata tggagatatt ttaaatagtt 180
ttgacacgtg ccacaatgta catgattgtc ttgtctttga catatgtcgc aaccctagat 240
aacattgcat acatcgaggg tggctcttta ctacagaaat gtcttttggg ggtgctgcct 300
tgattggtgc cccctatgga tgatgactat tgaagcagct cttggagaat gaaagacacc 360
attaatgatg aatttcttct acatacgtac ttagatgtga agagttgtat tgatgagatg 420
ttactgttgg ctaggggaaa tgaa 444

<210> 35279

<211> 397

<212> DNA

<213> Glycine max

<400> 35279

agcttaacaa gtggaatcag aggaaagtct ctatggcagg ctttaattact ttaattaatt 60
ctgttctgac agccttgect ttattttatc tgtctttctt caaagctcct tcagcagcgt 120
tagtgaggct gacttcaatc caaaggaatt ttttgtgggg aggaggtgct gaagggaaaa 180
agatcgcttg gatggcttgc gatcatatat gtactcctag aaatcaagga ggtttgggta 240
tcaaagctat caaggatctt aatagagccc ttcttattaa atggaagtgg ctgatgtttc 300
accaatcaga ccaattgtgg tgcagaatcc tcatctcaca atacacacga tggagagggc 360
tggaagagaa ttcccacagg cagtctcatt ccttctg 397

<210> 35280

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35280

cgcgcactct caacnacacc acacacgccg tcaagtacga actaatagac tatgcgacac 60
aacaataaac tatacacagg aaaaaaagga gggntcctgt agacctcgct anaacgncac 120

actatataat acacacgctt cagcagcacg attcagcacc tacgagcaga tgctttcacg 180
 gtctttacta cgagcacacg cgcatagaga cgtgaccta ccttcgaccc aaatgaacca 240
 caactacact acctcacaaa gcctccgacc tgacgaacga actaactcac taacacggac 300
 catggatcaa agcagaacat gccacgcacc gcgtcctcag tacaataaaa caaggagacc 360
 acaaccatcg gacgacaaca caaaaccaac aatcggacaa tcaaaaacac cgggctaaga 420
 ccctgacaac gcggaacgac aagcgccaca ataagccttg caataaaaaa gacatacagc 480
 gccgcacacg gaagaccaat acatgcagca atgaaaaggc gaaaagaacc gaacgatgac 540
 gccactccca accttaccba tctctataac ggcgacgtg cgactcacac c 591

<210> 35281
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 35281

agcttgctct aaatatttgt catggttcac aatatgtact tatgaccgct gaactccttt 60
 gtagatgata aagcacgaca cgaagggtcc attgtaaaag gataccttat gcaaaaaatc 120
 ttgacatatt gtttaacata tctagatgaa aatgaaacta catggaatcg acctgctcat 180
 gtagatgatg aaccaattaa tggcttacia catggctaac aagtagttga cttatttcct 240
 ctagttggaa aaccaattga cgactcttca tattacaccc tcacacccaa agaaaagtta 300
 caagtcata gacatgtgtt aacaaatcgt cctttactcg attcctat 348

<210> 35282
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35282

tgtataactc ttaaagataa agagtccaag ttgtgtcttg atatttatac tagtggttaag 60
 gaaagagcta ttctttctcaa gaactttcaa gagttggaaa atagacttaa agatcttcaa 120
 aaggatcagt aggagctgaa tgaacttcat gactatcaaa aagaagaaag atatgatcta 180
 tggatgagaat gcacacaagc acacaaagat tatgaaaacc tcaaaataag taaaataatc 240
 tttaggtgga atgtgaagaa cacaagagat ctgtgaaatt cttgaatgat aaacttttga 300

agaatcaaca atttgaaggt caacctcaag atgttgtcaa acttcatgag gaaattagaa 360
 ccttanaaac tacattagcc aaacttttta atggaaccga taatcttaac aaactgtag 420
 gaaactgtag aagttcctca gaccaatttg gaaat 455

<210> 35283
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 35283

gcgctatga cagtggcaag ccctgaacga atgattcttg cctatgttgt ggcgggctag 60
 tcgcacagaa ctacctgtg tcaactatac tcagagatgc aatctgacac cttatgacac 120
 atatcaggta tatattgtca tgactttcaa gacatactta ctgtggcctc gagagattca 180
 ggactgacca ttgcccatag tatgaacaca tctgcctac tgcattacgt ccatacgaag 240
 gctccagtca cgagttctct gctaccattg caccacgaca cagtg 285

<210> 35284
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35284

agctntctga agtntcttag ttttccaaac cttgaaaact tgtgctattc atcttttcat 60
 tctcttctcc cttagccaaa aagaattcgc caaggactaa ccacctgaat tctttctgcg 120
 tctctcttct cgcttttcca aaagatcaaa gaactaacca cctaaattct tttgcgtctg 180
 ccttctccct tatcaatgaa ttcaaaacga cacagactga gaattctttt gattcttccc 240
 tttccctaata acaaaagtgt acaaagaact aaccgcctga gaattctttt gtatgcacat 300
 ttacaaagta tgagagggtt aaccggctga gatctttgtc ttaacacatt ggagggtaca 360
 tcctttgtgg tacaagtaga gggtagatct actagcgttt gactgacaac atgagagggt 420
 acatctcttg tggatca 437

<210> 35285
 <211> 445
 <212> DNA

<213> Glycine max

<400> 35285

tgcagaattg gtcttcgcca gtgaaaggat cgatgtgtgt tctgattaaa acgcaaattt 60
gatcatccta ctaggacgac tgagaaaact ggggcaaata aagagggtga ggataatgga 120
gaaacccatg ctgtgactgc cattcctgta cgaccaagtt tcccaccaac ccaacaatat 180
ctttactcag ccaataacaa accttctcct taccacccgc ccaggatatcc acataggcca 240
tccctaaatc taccacaaag tctgtctacc gcacttccaa tgacgaacac caccttttagc 300
acaaacaaaa aacaccaacc aagaaatgaa ttttgcagcg agaaagcctg tagaattcac 360
cccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccta gccaaagggtc atcaa 445

<210> 35286

<211> 347

<212> DNA

<213> Glycine max

<400> 35286

agcgtttaca gctgtacaaa attattatat cttcacatat ctcaaggcac aacgattaca 60
atgagattaa cagatacatc cctatatgtc taacaaatta ctgttgaagt aacaagttgc 120
tggacgatgc tgtgtctttg cactgtacgc ggattatagc tatggagaaa gatttttcta 180
tgccctataa ccagctgcct accaacataa tacatggat ctgtaattat gacacaaaaa 240
cctgtgggag aagctgttgt acttgccgat gegaatcgcg gatcgagcag tctgttacac 300
agactgactt cttatatata gtagcacatt catacctata gtgtatc 347

<210> 35287

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35287

ttgattgtcc atatgcaagc caattgtggt agctacactc atttgaaaca aacttcatga 60
attatacaaa acacttatcc tttgcataga tactacatga atcacgtttg catgcttgat 120
tctaaatgca acaaggattt ataaaactgc aaaacctata ttttagctag gttcatcaca 180

tttatcagca tgtttttttt agattttaat ctgacacatt ctattagtga tgggcaacac 240
 aaatccatac atagtcatgt gacacgtaat gccaaatctg gacaagataa ataattttca 300
 caagttaata ttaacgataa tatttatctt atncatggtc aagcaaatat tagagctgaa 360
 ttgctaatag taagacaaat gaagtctgta tcatacatag gcttcaatgg ataaattcct 420

<210> 35288
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 35288

atggcgctact catcacatgt ggcaactatgt ggcagacggg cgatggcgca caacatgatt 60
 gttcacatac acgaacagcg cataatccca acattccctg ttgccacact ctcaactgag 120
 ctgatgtact actacggaga ccatatccta cgatctctca acaccgggac cctatcaatc 180
 atttcaagct tctcatcat gcaaatgcaa catcattcaa acagaacata cta 233

<210> 35289
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35289

gtaatatgcc ctcttccac ggcggagatt tcttctctg ttattgcgag atagctgttg 60
 gcagtgatat tattgaccaa ccctatgaaa ccttctaccg agatgtcttg ggccacgtgg 120
 gcctcggttca aaacttttat taccagagcc cgatgaggct cggagctcat gagtaactcc 180
 aacagcgaga ccctggccga ggttttggtg agctgctcga taaccttgaa ttggctctgc 240
 tgaattatac ggaggaattc gctggcttcc tctagcgaca cctcctttat accatccttt 300
 ttctccggaa gacatttcgc cggaatatct ttattcgaag cgaggggtat ttcacatct 360
 tgttccctca ccattttgct atccacttga cgttccgggg ttggactggt aggtccggag 420
 gtgcaaacac acgagcgcta 440

<210> 35290
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35290

acattttctg cttatattga ttatcacaga gtggtacctg gagatatcga gccggctggt 60
atgaaacctt gcggacttcc agtggtgtgc tattgccaaa aaccatcttg acaattcgac 120
caccgaggca ttatggactt gacaacctgt gatgtacctg agcatgctat ctactggcag 180
tcaacagatt aatagaactt agaccacacg gcatggatgc ttgagtgggc tggccatctg 240
tgaacttaga tagacatgtg gggttatggc tgtggtaatc tattaccatc gcgggctgat 300
cgacaacaag gctcagacag gagtaccgga cgctaataat ggctctggta attgatacca 360
accggtgtaa accactgtc ggctgaaca ctagtcacct atctagggaa cgctctgct 419

<210> 35291

<211> 584

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35291

cctcctaccc tantcccacn cagcacacgc cctcnagact cgatataaag tacaagcac 60
aanctacac gacaaaaacc gaaagaaatt gttgactgca atcnctcgnc gnnngcgcgat 120
anaatacaca agcttcgccc gtgtcgcgct cagcaccacg ggcaaaccgt acttctttta 180
ttattcacc aaagagtgcg ctccggatgc gcgttacaca agatacatga tcaggactgc 240
tgctctgacg agtcataac caaccacata tcaacgcacc gttgccatag ccaaacacgg 300
gtcaccacta ggcccgttgc ggagcaacgc tattgaaact acacctgcga ctcacatgcc 360
atcaacacta cactctctaa ttcttacgag gactcgctgc acgaaatatt atgcgataac 420
aggactatac acattgctca gaaggcctag cccctctcat gcttaaagga ataaactgaa 480
gaatatacgc ttacgaaccg cgtagagact atcattcaac tgaggatttt cctcagccca 540
ccacaatgat caggctctgga ctatcctaca tataaccgc tccc 584

<210> 35292

<211> 432

<212> DNA

<213> Glycine max

<400> 35292

agcttgcacg atttacattc tccctctttc ttattagaat tctcaattct tcttgacatc 60
 atcaaaatct tcatgattta cattctcccc ttttttgatg acgacaacca cctgtagggt 120
 aggagcaaca acaaagaaaa aaatatctat tcgcatatag tttactcccc cttgggttttg 180
 caatgattgc ttatatgaga cagttgaaga ttcatattc ttcttggtga aacaaattgt 240
 ctcataaaca atagataatt tttcttactt gatgaactac catctattga aactctatct 300
 actgtggatg ggatataagg ccctatttct tatgtaaaca aattgtctca taaacaatag 360
 ataatcattc ttactatctt atcttttate tttctctgcc gctttgtcaa catcaaacac 420
 acatcatgaa ta 432

<210> 35293
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35293

tgatctcttc gaggaagac tgagagccgt ggaatgtttt gttgactatc cgttcgcaga 60
 catgacggat ctttgcttag taccgcagct tgctatccnc ccgaagttca tagggccgaa 120
 cttcgacaag tatacacgga cgacttgctc cataaaccat ctcaagatgt actgtcgcaa 180
 gatgggcgca cactctaagg atgagaagct attaatacac ttctctcaag atagcttggc 240
 cggagccgag gtagtgtggt aactaattt ggaagcttcc cgtattcgta cttggaagga 300
 tctgattact gccttgctaa ggcaatatca gtacaattcc gatatggctc ccgaccgcac 360
 tcaactgcag aatatgttca agaaagaggg cgaaaccttt acagaatat 409

<210> 35294
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 35294

agcttaactc ctgctatgat caactaccta ttatctcata tcaaagttaa cgtttatctt 60
 tgattgatca actaatgcaa aaatcaaaat tatttatctt aaaaaataa aacaattaaa 120
 atgtcttgat ttagaaatag ggaaaccaa atcgatgata taaaattata ggggacctaa 180
 aatataattt aactttcttt ttcatgaaa atcactttta ttttaaatta ttaatttaaa 240

tgtgaccgag tccatTTTTT tttattaaaa acatgtttgt tcgaatattt gaaaggaaaa 300
 aaacttttaa agaagtcaca tgccttatta ttttaagaga ttactttgtg tagcctttat 360
 gattattttg agaaataaaa gttgaaatta atattaattt ctaagtaatt ctcgttataa 420
 tt 422

<210> 35295
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35295

cgcttgagct ggtatctgng ttaaaaaana attcgcatTT ttctttgttg gagcaattgg 60
 gaagaatgag cagtggcaga tggaggcagc tagatacctg aactgtggag ttctgtcctt 120
 tcctttttgca tacttgggta tccccattgg ggataatcca agatgtagtg atctttggga 180
 tcctatagtc agaaaattcg agagaaaatt agcttcttgg aaacaccaac atatttcatt 240
 tgggggggaga gtgacactca taaatgcagc cctagcagca atccctatct actttttttc 300
 ctttattagg gtaccttcaa gagtaatatc cagattggaa gcaattcaga ggcaatctct 360
 atggngagga ggtatggatc agagaaagat tgcttggggt aattggaaaa cagtctacaa 420
 tccaaaggat atatgaggac ttggc 445

<210> 35296
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35296

agcttgcttc tacagannag aaatctcaag gatcgaggt cgcttgggga ctggatgtag 60
 gcacggggtt ttgccgaacc aatataaaac tcttgtgttt gttttcttct tccatacact 120
 ctttaatttc cgctgtgcat ttttaattatc gctattactt ttggttaagt tttgtttttc 180
 tattctttat tttctcaact ttgtagtaaa agcctaattg aatttagtaa cattaagaag 240
 gatagatttt taattagtaa aggtctatta ataattaatt caacctcccc cccccctcc 300
 ttcttaatta ttctgaggcc acttggtgca acaagtggta tcagagcagg tatctttag 360

aaagttaa cacttcaaga ttcattgcct cttcaaattc tttgtttcct gaaggaaatt 420
ccatccatag gccacctatc ttcaatgg 448

<210> 35297
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35297

atggaagtac taagtattta ttacctatac ttaacagaaa atacttataa cacaacaaaa 60
taaccataaa ttggaagagt ttgatacaat ttacacaagt tttatacaca aaagttagtc 120
gtgttcaccg actaacacca tgcagcgcaa agggaagcat ctctgtgcaa tccttgtatg 180
acacgggtcat cttctgaact atatcttctt gatattntta ttagcggcct caactgcctc 240
attcatctta agccagtaag gcatggaatt atgggtgtag atnttgaaat cctcacacat 300
ctccttcac atcttgttgt tcagattggt ggcattgaag gtgataattt tccttagcaa 360
cccatatcgg caaattatct cccttntgat gaaactaatc ac 402

<210> 35298
<211> 438
<212> DNA
<213> Glycine max

<400> 35298

agctgctaaa agtataggaa gcaacattag tattgcacta ttccattccc ataaaaatag 60
gcgttggttca cactgtctaa gcataacaat agcctgcca ttacttctag caccctata 120
ttaaaattcc tatgctatcc ttctttatct ttgaatagtc attcgcaca tgagtacgta 180
ttttgaagta tctatcttgg aatatgactt caatattctg caataagtct tcgaattacc 240
tatacacttt cggaatacct attatagaat atgactttca tgtttcaaaa taattattct 300
aaaaataggt ttccaaaata tatacacact tcccaacata gttattctag acatatgaaa 360
atcatatttc catactacgg tggaaaattc gaagaacgat ctcaagtga agcggctatg 420
gattcatacc aataacat 438

<210> 35299

<211> 302
<212> DNA
<213> Glycine max

<400> 35299

tatgttaatc aattagactt tatccgtatc cttgtggatg tataccttga atactgccat 60
gtagttgttg aacatgggtt ctagtaatgt aattccaaag acacctcttg agctgtagac 120
aaataggata cctactataa tgcacctgca tgtatggggt tgccaggcag atataacgat 180
ttataatccg caagaaagaa aattggatgc aagaacaatc agtggatatt tcattgggta 240
tccagaaaag ttaaaagggt gtatgttcta ttgtactact catagatgag aactgacaaa 300
ct 302

<210> 35300
<211> 443
<212> DNA
<213> Glycine max

<400> 35300

agctctcaac cgttcttcga cgttcttcat tctttcttca tcgttcttct atcttcaacg 60
ggtaagtacc tcgaaccaag cttttcgatt cattctatgt acccgtagtg gtccacattg 120
tgtttcgtgc atttttattc tcgttttggt tactttttat accccctggt gacgtgctta 180
agccatttta cttaagtcatt ttctcgctta acttaaaaat aaaataaatt tccaccgaac 240
gtttgaattg tattatccat taacttcggt taaaataaat tccgaccggt cggctcgtgcc 300
gtaaccacgt tggaaatcaa aaagaggtaa aaaataatat aataatcaaa aagacatctt 360
ttagtaaaat aaagcggaaa atcaatcgga cgttttctct ttgggatttc tcattcttaa 420
tcgaatcgat taataactaa agt 443

<210> 35301
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35301

tctctctcta actctcactc tcacttagag aagggtgggaa ctctattagg cacgcattgct 60
ttgcattggt gaaaacggat aacaaaggat tacttctttg tgtattaccc atgtaaaaaa 120

gtcaactttt tgatgataca ttcacccaaa atttcattga caatttcctc caactacgtc 180
agcaacaaac ataggaaatt ttttggtgac aaatccgtcc acagatgcc a cgcagaacat 240
tccatttgct ttgacagaga tatttaatgt ttggactaaa ttgtcgcact ttccttaa at 300
ccaaggacaa tttttttttt tatcttttca gtactaaagt gttaactcat tacaaattca 360
gggattgaag tgactaattt atacttaatt ntgtagggtcg tataacttttt acttataatg 420
gttcaa atcc tctaatactc aatgtttaac aa 452

<210> 35302
<211> 434
<212> DNA
<213> Glycine max

<400> 35302

agctgtgccg tgatggtgca tttgaaattg gtgattgggt ttatgttcgc cttegtccct 60
accgccagac gtccatagcg tcgacttaca ccaagctttc caaaagattt tatggcccat 120
tccagggtact ggatcacata ggcccagtgg cttacaagct tcagctgcc a ctttcttccc 180
gcatacatcc agctttccat gtatccctct tgaaaccgca tcttggggcca tctctgacta 240
caactgccac attgccatct acaggggaaca accaccaact cttggtctct cctttatcca 300
ttctggattg gaagtgggac cattcatctt cccacctaa caagaaagtc cttgtttagt 360
gggatggctt agcatcgaag gatacttcat gggaactatg ggacaagctg cgtgttgcc 420
atgaccttga ggac 434

<210> 35303
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35303

ntgatgaaag tgcagtctga aggtagccaa atacgccttc tatgcttaac gaagttgggc 60
gttaacacat gatcagggtg gtctgctggg ttgcgatgaa ccttctccct taaagtgatg 120
aagtcattat gcgactgcaa ctccttatag agatcttcaa gaaacacaaa atgaggcatt 180
gagaggatga aacatgaggt actaggtaat tctgaacatc gcgataacgc gtctgcaacc 240

atattagttt tgcctattcg atattgtata gagtaatcaa atcccaacaa tcgtgccaaa 300
 tatcagtgtt gttccagcgt ttgaatggcc tggctcatca attctttcaa gcttctatga 360
 tcagtcagga ttataaagtg gtgccccata aggtattgcc tccatttctt aacagcagtg 420
 gtaatcgag tgagttcacg aacataagtg g 451

<210> 35304
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35304

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 ccagaacag gtcagaactt tgaaacatat atgaatatga tgatgactat gaaactgata 120
 ttgattccaa taaagcatcc atgtactctt taagtttcaa ttttgtaatt gcaccttcca 180
 ttctgctttc tggaacttcc tgcccgttct tgaagagtat taatgtcggg agtcataaaa 240
 ctttatactc ttaaattact tgccgggttga catcatgatc aatctttaca accgttaatc 300
 tgtcttcata ttcttgcaag ttattattat aaaaaataat catgggtccag gggagacaaa 360
 ttaagatcct aaagatcact tgacaatagt tcttaggaaa atcatactat ttgtttcaca 420
 ccatgctatc cccaccatat atagcctata 450

<210> 35305
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 35305

ctcattgagt tcttatggct atagagaacg agcaaagatc cgcattggtga tcggcgaacc 60
 aacatagacc actgactctt gcaacatggg cagatgcaca tcttttagatt catggcgagc 120
 atgagttact atgggtgacca ctgcatcaag agttccctca agctatztat tatccgatca 180
 tgaagatgaa acgagggcca cctgatggac tctcgtatag aaaagagcat catttcttgc 240
 actgaagtgt agggagttgg aagccatcct ctcaatcaaa tt 282

<210> 35306
 <211> 408

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35306

tcaagctgac agagacttca gaaagatgta taatctcatt cttatctgng agctctcatt 60
gataatttgt acatctattc aagcttactt acttcacaat gtctttgaac atgctgtggt 120
ttttttacga tatacccgac tcgaaatatc ctgctaaatg tatgtcttta tgaaaattag 180
tccatgcat aattagaagg attaagccat ctatagctta agtgccacgt tctaattgcca 240
aagtattatt tggagacaat atttgtattc atatgaactt gttacccttc ttaggtcctt 300
ctctccttga atgccattgt catggccacc ttggctgact ctgtacacta tggctgactt 360
atatatatca tcaaaccact taaggcacia gcacatgttt tatctcac 408

<210> 35307
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35307

gcacaacgtt tgaccgttga acctttgana cattcgagat ccttagaggc acctgaagca 60
tgcagccttg cagccagagc ctcttgaata tgtatcacgt ttgtcaaata agccttacgt 120
ttcacagcta ggacgtcct gcgattagat cgacacaaaa agagactcca tactctcgct 180
cgagaaatta ttccatttgc gagaggtcat ttcattggact aagctccgag cgtgatttga 240
tgcattgctt ttacctgttg gtcgcatgtt ttattaacac ggaggagaaa gtatgaacaa 300
cactgatcta ttaatttcaa gattatcaca ttgaacatat acaccctgtc atcggagttt 360
ccatactgca taaaagagat gacatcgcg gttctaaacc actacagaat gattcacacc 420
ctctcgtgca cccgatctcc caaggtagca actttgagat gtgctgagga gacgccttta 480
gaaagtgtcc ccta 494

<210> 35308
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35308

tctcgatatg ttatgctgtc gaatcggaca tgcgagtgtg gttttgtgat catnttaata 60
 tcccagagagc ttccgttggt caatttctag catctcgata cgctatgtgc ctgaatcggg 120
 catgcgagtg aaaagttatg accatgtgaa tttctcgaga gcttacgtag ttaaatttct 180
 agcggcatga tacactatgc gcgtgaatct gacatgcgag tgaaaagtta agagcatttt 240
 aatttctaga gagactgcga tgggtgaaagt cgagcgacat gatgtgtcat gtgcctgaat 300
 cggacatgcg cataatacgt tatgaccata tgaatctctc cggagcatct gtctgtgcaat 360
 tacta 365

<210> 35309

<211> 336

<212> DNA

<213> Glycine max

<400> 35309

agcttgtcag gcaatactgg cttgctggcc tttgtgtgat gtcaacgaca ccaaaggacg 60
 aggcattgcag cctgctatga gaagcctatg gaactcaagt gctacacagt cgaaagcagt 120
 gctaagaaag cctccatcag ggcgagcact atactccttg acctgcagct catgccatat 180
 tcacaaagac atcttcacat tcaacaggta aagctcattg gtgaccgcgg tgcgctggaa 240
 gagactcaaa ccgtacctca accaaacaac tgtaaacccg caactatcag ggagaagctt 300
 cgggtgcttg tcaagctacg ttgcgcctga cacata 336

<210> 35310

<211> 424

<212> DNA

<213> Glycine max

<400> 35310

tgatttcttg gcctgcttgt gctccttttt cgggtgttctg tttatttcag tgccttttagg 60
 ccttggaata gcggtgaagat aggaattcct taatctgctt cctgccatta gaaacctaaa 120
 attcattgta tgctaatact atgtgtttta tattactgac ttcgccaaaa tcttcaggtg 180
 gcaatatcag tcttcaagat cttgcttcat gtctctaggg caaacacact ggttttgggg 240
 aatataccag ggacgccaat attccacaac ctataccaat atagagaagc tttgaggatc 300

ccttcattta tcattttggc tgttgagtct cccatctact ttgctaattc aacgtaccta 360
 caagaaaggt tagataaagc gacttgtaga ttggcgattt gtgaatgctt actacatttc 420
 aaat 424

<210> 35311
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35311

agctntgatg gtgtcgagaa gatatcacat gtttgtcatt atcaaaaaag gagagaatgt 60
 gaatgtatgt atacatgatt ctgatgacgt caaaagaaga atcaacaag gctcattttg 120
 cttcaagatt aatacaagat tgtttcaata aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcaaaat gaaaagattt caagtcaccc aaggcacatg taatcgatta 240
 ccaaggcaca tgaaagtgtg caatcgacta cacatcatat gtaaggcgcc atacctatac 300
 tggagtgatc gattatacag gagtgatcga ttacacatta ggtcctaagg caatgctctc 360
 actacaatct acccaacata gaggtgtcct acatcttcta ccatacaatg cctcgtaagg 420
 cgccatacct atactggag 439

<210> 35312
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35312

taaaggagta ctcatagctg gtgtatttac cccaagggtc tataactctaa agagtctgtc 60
 agggcctttc tcttctaatt taggaccaat ccaaaaaaca ttttaacaca tagactctat 120
 ctatgaacta tacaaaatac acaaatcttc tattgttctc aaaataattt taactcatcg 180
 tgcctcaaag tgatcaactt tgttgggtta ccatagtgga tcccatcaca atactcgttg 240
 cacattaact cgtcgccctt aaagggtcctt acaatccatt gattgtatga ttcatagctc 300
 acaactcaat gcacacaaca tctcaatata catgtgatct cacaatttaa cacatagtca 360
 acttgtcact tacacacaat tcatcacact ttcataatcc taatacatca tgttatcaag 420
 cctcatgcat catatacata tcacacatt 449

<210> 35313
<211> 285
<212> DNA
<213> Glycine max

<400> 35313

agctcctaac gcggtttcag cgattttgaa ttattggatc agccatataa cattctttaa 60
gcgctgagcc atcggatatt tctggcttta ctatgttaca tttctgcac catcaacatc 120
aatatgaaac agtattacta tctgccgaca ttgtcacatg gacttttttag attacactga 180
tagcatgccca ctttttaagt ttatactgac gctacctgag attgtatcac tgttggtgga 240
cactaccacg attgcgtgaa tcgcatctac cactcatcat ttaaa 285

<210> 35314
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35314

cgaatacaat gaaactntct aacttagcaa agcttatatt ctctcaattc gcccaagttt 60
ctttcgtcca gttaaactga tagctttaaa acactttggt catttttgtc tcagattatt 120
ctcttgtaat tcgaaaatct taacacaaac atcttcaagc tttatataga ctttagagct 180
ttgatccgtt gagagatatc aagtagccat tgtetaatag cttgagcatt ttacataagg 240
ccattactat acagagaaaag tgtgggaacc acaaacactt tttgtagcat atatttagag 300
aagtacaacc tgctagtgtc atcttgtgct cagagctgac tttcagtgca caaatcaa 360
gtaatgttaa caacatatga caaanataat taagaatgtc aagacangat cattaaatct 420
tcctttt 427

<210> 35315
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35315

agcttatagc ctttgtgaat ctgaggcaca tctttgaaat gatacataac tctcatgtaa 60

aggatcctca ttcgattata tataactaaa aggaactctt cactctcact tgatatattt 120
 cttccatttg cgagagggtca tttttgggac taagcttgca gtgttttttc ttgctctcct 180
 tttacctgtt gttgcagatt tttataaaca tggaagagta agtatgaaat agactgtcct 240
 attattttca agttaattac ttcttacata tataccatgt caatgtactt ccactactgc 300
 aaaaatgaaa tacaacgacg gttcttaagc acattcaaag atgattcana accatctttg 360
 aagccaacat cgtcgaaagt caagactttn gaagatggtt cctaacaaac ctccttagaa 420
 aaatgtatca tt 432

<210> 35316
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35316

tgctccaccc ggatcacctc tcaagtaaac taatgggggg gatatataga gatgaataat 60
 tgaanaataa taagcactag ttattggggt gcacagtaat ttccattcat ttcattgtatc 120
 attcaatacc taattcacac agtaaactcc actcactctc tacatattan atattctcaa 180
 tgtataacag atattntttg tgacactgga ttccattccc acgtcttatt ggtagtatta 240
 tagaagatgt gcagtaatac gggtagtctc ttgacatgtg tataccgtgt acagctccca 300
 taaaataaag agtaccacat aatcatatga tcaatttcac tgattctctc atgcttctat 360
 tntatctttt ggtgaaatat tcctttgctt tnttcgaatt ntacactccg agagaaatat 420
 aaatcctgat aggctag 437

<210> 35317
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 35317

gatctctaag cgactgagca tgcaagcttt gtactccact aaatttgcc tttgttgacc 60
 aaagctaata ccgctgacaa ctttgtgaaa gctgtgcacc caggatacaa aggcattctt 120
 gaatcatttt ctattttctc atacaaaggt acatgtgctt gttgaaatct gtcctgcccc 180

aaattgcaaa tcatgtcttc tatacgggtat cccatgtcta catcgactga ctcagggtga 240
gagactgatg gcttggttgg caattcccca tgccatatcc attttgtgta atttggaatg 300
atcctatgac atatattgac tgggtgtctcc tattcccaca ttttacgcat ggacagaaaa 360
atttaccctg cacacatggg gcattgagtt tagtaaattg gaggaattgg tcaactctat 420
tctcatactc gtcactgat 439

<210> 35318
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35318

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ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
gtagtccctt ctcttgagc atcgatctag ccctctccat aactgtgcga ttctttctct 240
cggacactcc attttgttga gaagaatatg cgactgtaag ttgtcgctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gctgcgataa cttcttagta 360
cttttatccg ttttccactt tgattntcag caagggcctt gaactttttg aatactccaa 420
agacttctga ttnttcttt 439

<210> 35319
<211> 442
<212> DNA
<213> Glycine max
<400> 35319

agcttgcttc tgaagcttct atggagggtcg gatctttgag cttcattggt gtccttcaat 60
ggcgattttc caccatgcag aaggcatcat cctctaggaa ataaggcatg gaagaaggag 120
cttcaccatc aagagagtgt cttggataag aagctcatag aggaagcttc aatggaggaa 180
aagaaagaga gagagggagg gagcacgaaa ttgaaggagg aaaagagaga gagaagttga 240
actttgaagt atgtctcaca agactctcat tcatcaaagt ttaaggtagt caatacatag 300
caatttaagt tgcattggacc atttaagttg gctcacaaat cccacacatt tgaaggacct 360

<211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35322

ctcaagctta gtgacatctg ngacttgatc ttaagcgaag atgttcgcat gatttattca 60
 ngagaatddd ccagtcattg tatcaattca acattgaata ctgaacgcaa gggaacgact 120
 acccataacg gtcagaatgg tcgacgcata tcaaagccca gagggaaagg tcatagaaaa 180
 tttcacagtg acgttacttg ctggaattgt gacaagaaag gtctctttat caatccgtgc 240
 atggcaccat agatgaacaa gtcgcacaat aacaagaagc acgatgatga tgaatccgca 300
 tatgcatcaa ctgatgaact tgatgatgca ttatttgagc ttggatagtc ctgttgatca 360
 tggacatgga ctaggtgtgt cgtttacact actcctctaa agattattgc taactat 417

<210> 35323
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 35323

agcttgccgc tggagctgac ccatcaattg ttctaactct ttagactgt tgatccctag 60
 gctcttgacc ttgacttgat agaacctctt ttttagcaaa ggcgtttgac ttgatcccat 120
 gttttactaa agtgaaacaa aatctaacgc gaatcagaac tccgacatct atcatgggtg 180
 gaatggatga atgcgtgaag aaatgcgtat gatatagatg caatttatga acacgggagc 240
 ccgggaaatt gtctccttct tagatacaac gtcttggggc agcaaagtgt ccgacgtatg 300
 tatttaagaa ggtgacacgg accctccgtt ggtttgccaa agacagggga tatagacaga 360
 acccgtgcat gatgcatatg cgaaaggcac aacactggaa tgtacatatt atgacaatat 420
 tcacaaaata taa 433

<210> 35324
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35324

ntgagaaaca tgcaaccctt tggcatcatc aaaacattaa gttttatcct ttgtctacaa 60
tctccccctt tttgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
cacgttcaca cagcccttac tccccatatac ttttggcatg tatgcctaac tttaatgatt 180
tttaattgatt ttaattgatt tctaaccctaa gttctctccc cctttggcaa catcaaaaag 240
aactaagcaa gacaatcaat agctaaacag agccaaacat taaacccaaa taagtccata 300
cattgtcata accaaccaaa gcaaagtcca gaaatataat aatagtgcaa gattacgata 360
actagagcaa caaatagcca aataaacggc gataaaccaa aagtactaat aatacttaat 420
cactaataat acttagtcat aatacttaag cta 453

<210> 35325
<211> 442
<212> DNA
<213> Glycine max

<400> 35325
agcttagacg aacttggtcg agtcgagatg actttattat ttatttggac aagttcgaat 60
ataatgtaga agatagtga tgtgagcctt ttaccctttt gaaaggcttg tatttaaaaa 120
tgtttttaaaa atacttttaa ttaaataattt gaatttttat tcctttatta atatatatgt 180
gaggggtaga ggatgtcaca caaggcatat ttaatgtgag ccttttttta ctttattgtc 240
cactcctaac catgcaaatac aatgggtgagt tgttgatcta gtttcttaaa taatagtatt 300
ataatgggaa cacacatgaa taaacaatat ttcttatact gtttcaacta cgtgaataag 360
gatccctcta gtttaattaa ttagtgctaa taacttatac gtgtaacgac tacagctaga 420
acctagaagt tgcatgcctt tt 442

<210> 35326
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35326

accacacccc cgaccacgca caaacacaac cgccaaaaac tccaaaaaac aggaatgctg 60
ctcctgncgc accaaaaaaa ccagccgcag gcacgggacc cagacaaggg ngcgaccctt 120
cgtcgcgcca cgatgacaat cggcaaaagg cgacaccgag acagccagaa cacctcaagc 180

cccgacggc caccagcgcc agaaccgacg tgccccaca cagcccacac gcatcaacct 240
 accacaacac gggccgcacc atacccccaa agccaaccga ccagggcagc aacacaacac 300
 cgcaaacgca ccaaagaaac acaacgcaag acagaccggc atacgcagag aaaccggac 360
 ccaaacccaa ccaaagcac acccttgaca gcaccagacc ccaacaccaa gtacctgcat 420
 gcaaaccacg acacgaccga ccgaccgtca acggaacagg aagaactaca ccaacagccc 480
 gcgtctgcac gagggacagc agaaaacaac acagccaccc cg 522

<210> 35327
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35327

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 agggctcttga ggtggatcta agtgccttga tcattcatta gcataacata ttcattgattt 120
 gttggcatgc tcaccactgt ttgtttcttt aggaaactcg ccataactaa aaaagcgcaa 180
 aggcacccct ataacacccg atccaaaagt aagatgggta aggaagaggg agtgcaagaa 240
 cagatgaagg tcgacatgtc ggcttttaaaa gatcaatggc ttctatgacg gagggccatgc 300
 taaaaattca aaaatcaata gaagacaatg ctacggcggc cgcttncaac acaactaggg 360
 aagcggaatc ggtgctacaa cccgcaatga act 393

<210> 35328
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 35328

tgaatagcct caagtttagg ggcaaaccgt attctttgaa ttatagagcc aaagaatgtg 60
 ctctggaagc gtgattcaaa agatttatga ttaggactgc ttctttgtcg agtctatcac 120
 caatctcaaa tcaatgttcc tttgttataa ttaattagag gttactatta ggcacgttgt 180
 ggtgtaactc tattaataat acacatgcat ttcacattct atcaataata cattttctaa 240
 ttctctgagt tcctctcttc cgttattatt atgttctatc atgtttctca acattttctca 300

aaagtcttag cacctataat aattaaagga ataaatttaa gaatataatg cttatgaaca 360
 gcgtatagac ttttattcaa ctgaatattt ccttcatcca aaaacaatta ttatttttgt 420
 acttttcttt taagtaat 438

<210> 35329
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 35329

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 ttagatcggt catgatgagc aggattcgaa gcaagactta tagcagatgt attatcacat 120
 aataacatcg cagatggcac atcaacttca gagtgaagaa gtaacctgtg taaccaaaaca 180
 ctttcactat taacacacga caagacacga tattcagcta tagtggatga ttctgaaaca 240
 gtgggttggt tcttagaacg ccaagaaaga aggttggttc ccaaaaagac acaatagcca 300
 gaagtggatc ttctagtatc aacacaattg gcccaatcag catccggaca ggactgagg 360
 tcgagagagt tctgagcacg gaataacaaa ccttgtccag gagcacattt gatatactgc 420
 ataagatga 429

<210> 35330
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35330

agcttctaaa cntatatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 aatatctaca gaaggtgggg ggggtgaatt aacatatcac aatcttttct aaattaataaa 120
 ttctattttg attctaacc atateccaag atttctttca aaaatgaact cctaaataat 180
 tatgcaaatt aatcttacta aatagaaaca ataagcaata tacaataaaa gagtttaagg 240
 gaagatagat tgcaactct gatttatact ggtccggcca caccctgtg cctacgtaca 300
 gtctccaaac aaccgcttg agagtttcac tatcttgcaa aagcccttta caagttctaa 360
 accacacaag gacaaccctt cctttgtgtt aaaattcttt acaac 405

<210> 35331
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 35331

tctagccaaa tggacttacc ttgaattaat cctttgttat ctctcttttg agccttgttt 60
 ccctttcctt gggttgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata 120
 tccttaagga attttgagc tttggaattg ttttggaat aagtgtgtgt gtgtgtgggg 180
 gggggggg 187

<210> 35332
 <211> 494
 <212> DNA
 <213> Glycine max

<400> 35332

cgcgcgaccg tttgaacacc tttcgagacc ctgggaggct ctagagatgc tctgcaggcg 60
 tgctgcctgc ctgctagctt gtgaccacac aagatgctct atcatctctt ataccgtttg 120
 accactcgca tgtactacag gacgaggttg atcatcactg ctatccaaga ccatatactt 180
 ggctccttga tcacttagcg agcaccatta cgtaacctaa actctgcttc ctcatatata 240
 ataagtggaa gggaggaatg catgaacatc tgcacatgat atcgatgcc ttattttaaca 300
 cggaacccg gtatatcagt tgatttgata gacaacattg gttactcaca tagacggact 360
 attgtttatg atagcgacac agacactcac tgctttaaca agacgcttat atagaagaac 420
 tcctgcaa at catatgttat agcaciaact gtaagtcatg gacgaagtat gccaaaaaga 480
 gctcgcgagc atcc 494

<210> 35333
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35333

tgtaggatta tggngtacct atcacatgtg gtactatgtg gttgtcgggc gatgggtgcac 60
 aacaagtttt ccacatccac aaatcgaca taaaccaca atcccctgtt gccacactcc 120

aactgagctc acgtactccc acgtagccca tctctcggtt tctctcaaca ccgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcca agtaattcaa cattcaaaca gcacaaacta 240
tcacagccaa gaaaacaggg caaaggcaga aaactctgcc caaaacacca accaaaatca 300
cagcttttcc cacttaaaga cccagtaac atttccttcg ttccaattcg ttaaccgttg 360
gatcgactca naaattntac tggaagtctc tagtacataa gcttacattn tgaccgttgg 420
gatttgctag caaatatcca gaaatcattc t 451

<210> 35334
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35334

agcttagtgt aacattaagc ttcaacttac ttgagnagtc aggcttagcg caacaggtgc 60
actaagcgca cttccaagaa ttcanaaccc gtaaaagatt ggcgcttagc gcttcctgac 120
ccgctaagcc cagcttaaaa actcaagtta caaaatggat caagggctta gggcagcata 180
gcacgcttag cgctgctaca ataaaatttt tcccgagaag aagtgggtgct tagcgcatca 240
tccacgctaa gccactgggt taaagttcaa ttaccgcaa gatgtggggc ttagcacagt 300
gttgtgcgct tagctaaact attcaaccaa ccaatcaggg gtctatgcgc ttagcgcgag 360
caagcttggc ttagcgtgtg aagactaagc gcttagcgga tagacaatcg caaaaaaatt 420
tctaagtc 428

<210> 35335
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35335

tgaagggtgt tagcccacca tcttttcata gttgaatatt gttaatgtgt ctactattat 60
tgtcatcatc tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
tgggcgtatt cttttgaaga atttgtgccc cctttttgca catgttttgt agttgcatcc 180
tatccgaagc cattataccg aactgecta acgaaggcaa ccattagggtc ctcccaggaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacaa ctaccccagt aagactttct 300
 tggaaggaat gtatcaacaa ttctcttct tttgcgtatg cccgcatctt cgcacaatac 360
 atcttttagat ggttcttggg gcaagtaatc cccttgtact tgtcanagtc cagcaccttg 420
 aacttgagag gggatgatgat att 443

<210> 35336
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35336

agcttgagat gatgtagtgt agaaggggtga atcttcctgc ttttattcgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgnggtca ggagacctg gggacatcag gtgggggtgct 120
 attgccc aaa accaagcttg accaatctcg acccaacccg ggcatagtcg gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaaag gaacaaagac 240
 cacatagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtgagat 300
 atggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaagggtt aaaaatgaag 360
 acaggaggct aagatgggtct ctggatcatcg atta 394

<210> 35337
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35337

ntataagcgc gggctctgtga gacgaagggtc aagtgtgttt cgatatacga agatgatgtt 60
 ccgagtacat tggatttggg acgaccatgc cctcctgatt tccagctggg aaattggcga 120
 gtggaggaac gccccggcat ttacgcaacg agcataatgt aaacctttac ggtttttaaaa 180
 gctctatagt tgggcctagg ctttagagat tttcctattg ttaaggcttt gtgtcttttg 240
 tttttgaatt tataatacaa ggaatcttct tcatctgttc ctacgtctct acccattctc 300
 attcatttgc atgtttactt ctttttctga aatggcagat ccaatgacga gtcccccgaa 360
 ggtactaata cctgagaccc gcctatcgac ttoga 395

<210> 35338
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 35338

gtcgctgca gcatgcaagc tctgaggagt taacaatatt ctcattgtgt catcatcgga 60
 agcgaatatg tgaatgtatg tatacatgat ctcgatgatg tcacagacga atctaacaag 120
 gctgcttcat aggataagca tttgcttcaa gaataattca tgattgcttc aacaaacaaa 180
 gccttgcttc aagattcact aatgaccaag ccttgcttta taacaaagtg ctttcaagac 240
 atgcagggct ctggtaatcg actatcagga tgcgtcatcg accaccagag gacagggtcg 300
 agacatactc gatgaacacg ctctgaactt gactctctac ctgtaatcga taccatatgt 360
 ctgcactcca ttaccatcaa cggaactttg gaactctaca ttccaaagtc ataacc 417

<210> 35339
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35339

accgctccct tacacttacc taaccaacgc taatctataa catgcatcta ccaccaanaa 60
 aaaacganaa atttgtagct gcatccntag cnannacgng aactatanac tactcagctt 120
 ggagcgtaga agaaactact gtaatggcat cgttattatc tatgtatgag caacaacgca 180
 ttacagctgc gctaagaatg aacatcacac tttcacttct tctcttatga gtgtactcgc 240
 attatagcta ctcccgtaga tctctggtgc ctacagtatc cttctacaaa ctttaagttga 300
 atctttaccc aatgaccttt ccacgaagct aacgccttat tctgtaagac tacatcgtat 360
 tctcgcacat gcgaatcgga attcgtatat cgacagtcac acaatatgca tgcgtgtaac 420
 gtataactcaa ctaacctcct tagaacacaa gatgatactc ggtgttatta ccgctaggta 480
 cactcatcat atccgagctt ttagctgaat gagtgctacg ccaaaactac ccagatccat 540
 ntcttctttt gctaacgcga ctgatccgag agggcgaccg acgatcgacg 590

<210> 35340
 <211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35340

naagctttgc agtgaagagt gatgttggtt acttggttta cttcttcac ttcgtcagaa 60
tcaccgctcc ttggcatcac cattcatgtg gttggacttc taagacgtgc ttcacaacaa 120
ctatgggtac cgccatgagt gcaccgtgac ttaatgtcag agtatttcct cgtcagacca 180
ttgatgtaat ggtggagcaa ctcagatgga gagatggagg acatctcaga tctgaaaggg 240
gaggaagaag aagggataaa aagagagaaa aaaaaaaac caggggaatg tccggaaagg 300
gggggaaaaa aaaaagagaa taagtcaaag aaaaaaaag aataaattca cgttacatgt 360
catgtcactg atatcttcta tgtgactata tatacttgta tcaactgacat tatgagaaaa 420
aaataattta cagat 435

<210> 35341
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35341

cttgtgtaat cgattacact gatctggtaa tcgattacca gttattgttt ctgaataaat 60
caaaagatgt aactcttcaa atgggttttg actttttcaa attggtttca agttttttta 120
aaagtcataa ctcttctaaa tggctctctt gaccagacat gaagagtcta taaaagcaag 180
gctttgtttt gcattttata acaatccaat caatctaata caatccttta ctaggcttga 240
atctctntga acttcttctt cttctttgtg ccaaaagctt tccaaagttt tctgggtttc 300
taaaccttga aaacttgtgc tattcattct ttcatctct tctcccttg ccaaaaagaa 360
tttgccaagg actaaccgcc tgaattcttt ntgtgtctct cttctccctt ttccaaaaga 420
acgaaggact aaccgcctga attcttt 447

<210> 35342
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35342

agctntgcag atttggctctt cgccagagaa aggatcgaag tgggtctgaa aagaggcaaa 60
 tttaatcatc ctgcttgggc gaatgagaaa actggggcaa ttgaagaagg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct atacgaccaa gtttcccacc aaaccaacaa 180
 tgtcattact cagccaatga caaacctctt ccttaccac caccagtta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accacacttc caataacgaa taacactttt 300
 agcacagacc aaaacaccaa ccaagaaaat gaatttgcag cgaataagcc tgtangttca 360
 ccccanattc cgggtgtcata tgctanactn gctcccatat ctacttgata ctgcaatggt 420
 agccataacc 430

<210> 35343

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35343

atacaaaggt gttacaagag aacctatctg tttctaatta tatgggccat caaatctatc 60
 atgggnngac agnaattgat tagcccatga atctcctcgg gagccgtaca cacttcggcc 120
 atggcttttg ctttggctaa tagacgcggg aggtcttgac ttccattcaa ggtaaggcg 180
 aacctatcca tccacatagt cgcttcttga tgcaatgcat caatcacctt ccctcttgct 240
 tcttttttgg cgtacacttg tgcaaaatcc tccgctagct cttgttcatg ggtcacagac 300
 tggttcaact cttccttgta ttgccctatg atagctagca tgctgtgctc tgcggcttcc 360
 aagtgttgag ccaaactcct cttggacctt gcgcacgcag ctaactcttg ttttaagatc 420
 atgccatg 428

<210> 35344

<211> 412

<212> DNA

<213> Glycine max

<400> 35344

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 tttagtcac cacttacac cactgacaaa actggggcac aagaagaggg tgaggactga 120

agagaagccc gtgctgtgac tgccattcca atacagccaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaaccttct tcttaccac cgcccagata tccacgaatg 240
 ccatecctaa tatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300
 tagtgtaaac caccacacca accaagacat gaatttcgag cgagagggcc ttagaattca 360
 cccaagtgc agtgtcctat gctaactatg ctccatattt acttgataat tc 412

<210> 35345
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 35345
 agctcgaatt tgaacaacag aagctcttga gaaattcaaa tggccataac ttatcacacg 60
 gaagcccga tcatgcgcac aatatatcga gaccctcgaa attgctcatc aggaagccct 120
 caagaaagac aaatgggtgat aactcttcaa acggaagtcc caatcacgag catatatata 180
 tcgagaagct tgaaattgaa caatggacgc tcttcagaaa ttcagtcagt catatctcat 240
 cacacg 246

<210> 35346
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 35346
 tcgaacaaca gaagctacga gaactacaat ggtcattata tgtcacacgg aagtccgatt 60
 caggtgcata atatatcgag acgctcgaaa tacaacatcg gaagctctcg agatattcca 120
 atggtcataa cttgtctcac ggatgtacga gtgacgtgca taatgtatca agaagctgga 180
 aattgaacaa cgaaagctct cgagaaactc tgatgggtcat aacttgtcac acggacattc 240
 gacacacgcg cataatatat cgagacgctc gaaattgaac a 281

<210> 35347
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35347

agcttatcta gacacaatat atttcacctt anataattgt tatctaaact tttttctacg 60
 taatgcggaa taagtaaaaa actcgggtgga ttaacaacaa attattgctt tgtgtttgaa 120
 attattaaga tgtaacaatg tgatgaggaa actaaactca acaaactttt tgcttgtagg 180
 gtctacctat tatgcaaact ttaaccctca agtctcgacc atgaaataaa cagtagaggt 240
 gacagaaagg ttgggatggc tnggatgcaa aaggtagcca natccanaga ccnagctggc 300
 aacctatatg gacacacgct gacaagccca ggactctntt ttattccata tacatncgaa 360
 attgtttttt tttttctctc tctttgggta ctaatgtatt ttgatgtgca tgttcagcat 420
 caat 424

<210> 35348

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35348

tctnacaaac tctgctagtg aaattcacat cacatcacta tacattttat cttggatttt 60
 gcatcagacc tgggagatgc agatgttgat gaagatgaat gtcttccagt gtttcttgcc 120
 acctgaaaat agcatcacca gaaaattctt aaaatttcaa ctttcatata agcagagcta 180
 gtagagtagt caaacaccat atcattttct tagaaaagag tttataattt tcatgcactt 240
 agtgtaaaga gttttacatt atcaacaaat taaaatcac tctaagaatg actttctaac 300
 aatcttatca tatatgacaa cttgtgactg aatgatggtg taaaattaaa ttggtagtat 360
 attatagtta aaattctata aanatgatca ggtatttgct acccaataat atagatcctc 420
 cacaaaattg anaatgatca catccattgg ctgccactca ataagatacc aaagcaactg 480
 acaacact 488

<210> 35349

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35349

agctntggat tatatatatc ttagaaactt ttctactcat gcactcactc agcgcgccct 60
atgcgcctaag cgtatcattg tgcacgtgct gagcgagtca ttactcgcg ctaaagcacc 120
atccccactact cattgggttga tgaagcatcg ctaagcgagc catgtgcgct aagcccataa 180
acctcactgg aatttcatct tttggaattg ggctaagcga gacatctcgc taagtgtccc 240
agtgcgctaa gcgcaatacc ctctctgttc gaaccttcat gtgaattggg cccaataagt 300
caacctgcta agcccaaata ccttttcggg ttggaattgt gctaagcgag cccatctcgc 360
taagcgcgcc ccactactac atcatgaagc attaatc 398

<210> 35350
<211> 437
<212> DNA
<213> Glycine max

<400> 35350

ctttgtcgcg atgacgacat cctcttatac ttgttctatg agatctatat gtacctgcaa 60
tgctctgttg ttttcggcct gtacgaagct ctatcttctt agtgatattt ctcccactta 120
taccgggacc ataacatcca tcccgatac cggccaaaaa ggtgtctctt gggttggaaa 180
tcttgagta aaccaatgtg cccataagat ttcaaggagc tcctcagccc atctttccaa 240
tggcattgtg tagccatttc tttagttcca ccaaaattac ttggtcgtta gtttaatgg 300
gttctactag cggaactcgt gcttgatgtc gatgcttgat ataaactcga tcatatttca 360
gtctgggaat tgtaacatat ttcggtacca caactcatgg agcgccgagc gagtgatgat 420
attctccaat gaacttt 437

<210> 35351
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35351

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ccaaattgag tgcaaccaca tgcgtgcagt agttccagt gatgtccagg tgcagatatt 120
ttccattgac ctccatgttt tttccctttg tgggtgcaaac ttagttcttg gagttcagt 180
gctaaaaatca ttgggactac tccttacaaa ctacaatgat ctaacaatga aattcatatg 240

tggtggcctt gtggtggatc tgaaggggga catgggttctg aagtgcggtc cattacgcca 300
ccacaactat gacgttttggg ccataaggat ggagctagtg gnttcttcca tattcgcatg 360
gtatcatgcg agcccccttc aacctanacc atttggtcac cactaacac tctagaaata 420
gcat 424

<210> 35352
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35352

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gtatctcgag acgctccaaa ttcaaaacag aagctattag aaaaatctat ggacgataac 120
tttttacacg gatgtcccat tgagtcccat aatatatcga gacgctcgta attgaaaaca 180
gaagcgctga ccaaattcaa acgacaataa cttttgactc agatatccga ttgtgtcccg 240
taatatatcg agacgctcga aattcagaac aaagctatta gaaaaatcaa acgacgataa 300
cttntacac ggatgtccga ttgagtccca taatatgtcg agacgtttga tattgaaaac 360
tgaagctctg agaataatca aacgaccata acttttaact cggat 405

<210> 35353
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35353

ttacgagcgt ctcganatcc tacgggactc tattgggtcat ccgagtgaag agttattgtc 60
ggttgaattt gtttagagct tatgttttca attacgagcg ttttgatata ccacgggaca 120
caatcggaag tccgagttaa aagttattgt cgttagaatt ttctcatagc ttccgttttc 180
aattacgagc gtctcgatat cctacgggac acaatcgaac atccgagtca aaagttattg 240
tcgtttgaat ttgctcagag cttcagtttt caattacgag cgtgtggata tattacaaga 300
ctcaatcaga catccgagtt aaaagttatt gtcgtttgga ctttaataga gcttctgttt 360
tcaattagag cgtctccata tattacgaga ctatattaga catccgagtc aatagtatgg 420

<211> 413
 <212> DNA
 <213> Glycine max

<400> 35356

agcttcacgg atttgcttac ggaataatct cggaagcggt acggaagcac ctcgacttgg 60
 attttcttca cggaacaat tgttttcacc caaacagca gttgaagacc gaagaaaacg 120
 aataacgaac gatgaatgtc gaacaacgat tgaaaatctt cgcgtaatta cccacggaaa 180
 cgttacggaa gtgcctcggc ttggattttt ttcacggaaa caatctttct catcaatttc 240
 aagagaatac gaagtaccaa gaaggctgaa ccctctcctt cttcattcct ccgcctatct 300
 atagcaaaat aggggaggag cttgcacca gccacccagg cgagctcact cgcccggcga 360
 gctaattgtt ccttcgaaca accgcttctg aggaagatat gaaggccgag tgg 413

<210> 35357
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35357

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 ttggtatcaa gtattggatt gcgtactttc atacgatgaa tctaagagag gtgtccttta 120
 agagacatcg atacatggta tctgctttat ttttctcttt gcagattgtt agttacatgc 180
 atgttgcggt tcatatttta cacagaatat ttcttctttt acaacttgtg agtgtcatcc 240
 attttatcac ctggtggaat aagtactgga ctccacatga agaaaggaag cagaggtaca 300
 cattatttct gcaataattc atagataaac ctgaagtcaa attttacatc ttgttctgag 360
 gatgaaggga acatacttga cttctgaatc agaattgtgt acacggtatt tgggtgttga 420
 taaatagact aaagac 436

<210> 35358
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35358

agcttatata ggaagcttca aaggagaaac aaaatgagag agaggggaaa aaagtgacat 60

aggccaacgc cgccacggca catccgatga cccaccaaca tcaaatacctc cttccttttc 360
atctcccacg tcattaactg ttgcttcttt caatgaccag cgcta 405

<210> 35361
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35361

tcaataaaat tacttgccca cattatgcaa ttcttacaat tgtagtcag attctttgtg 60
atatggaaat actatcataa tttgcaattg tcattaacac tggtttgga agaataccgc 120
gcttttcaat ttgtcatttg attgtctttt ctttgggaatt atgttacata catagcagtt 180
ttgcttctaa tgtttgatct aacaacttag tcatgtcata acttttggtt tgaaatatta 240
ttctcattg tgggtttgca tacactacta aatactggac attctatgtc gggtatttag 300
gacattctaa atcggntatt aaccattgtc atagacaacg ccgtanaata ttcgcatcta 360
cgatgatggt taccatttta gaatgtaat 389

<210> 35362
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35362

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gatgtttcta ttgaagccat tgcagccctc actcagtatt acgatcagcc actaagatgc 120
tttatgtttg gggactttca gttagtacca accgtggagg agtttgaaga gatcttggga 180
tgcttgctac gaggaagaaa accatatctt ttttctgggt tctatccttc catggcgaga 240
atagccaagg tagtcaaaat ctcggtgcaa gaattggacc gagtaaagca taatagatat 300
ggcgtggtcg gaataccgag gaagcacttg gaggagaaag cgaaggctct ggcggatcga 360
ggtgaatggg cttcgctcat tgatgtcttg gcactattgg tatttggagt cgtcctc 417

<210> 35363
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35363

taacaagggtg tgttntatgc ttgagaagcc ttggtctata tgctgtcaac catagtcaac 60
caatcaaagt aattaagata aaactatddd gagcattgat aatattagtt tatctgtaat 120
taagaattat catgctttta gttcaaggaa aattctaata tgcattaaga attaatttat 180
tgagcataat tagtggttga ttcatagaag attcatttac aactagattt gaggattcc 240
aaaggcattg aactcataca attatdddgtg acaatatggt ttatdddactg gaggcaaat 300
aattaaaata ggatgggttag atatgccaac gaacatddd aagaatcata tgtaggaat 360
gactaaagag tcttatacc ttatdddgga gtcttcatac aaactaagag agactcctca 420
ccctangagc tg 432

<210> 35364
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35364

agcttatgct acaaacatct acaacagacc tctcaacct cagcagcaaa atcagccaca 60
acagaacaat tatgacctct ccagcaacag gtacaatccc gggtaggagga ataatcccaa 120
ccttagatgg tcgaatcctt cacaacaaca gcaacaacaa caaccttatt ttcaaatgt 180
tgctagccca agcacaccat acgttctctc accaatccag catcaacagc agcaacagcc 240
ccagaaacaa caaatagttg aggtctctcc gcaaccttcc cttgaagaac ttgtgaggaa 300
aatgactatg ctaaacatgc agtttcaaca agagaccaga gcctncattc agagcttaac 360
taatcagatg ggacaattgg ctacacagtt aaatcaacaa cagtcaccaga attctgacag 420
attacct 427

<210> 35365
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35365
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 gaggaataaa aaggggtcta ttgcatata aattatatta aaattgataa gactttaaac 120
 atgtacctat taatcagctc ttgaatttca aaaaattctt caatagtgtg aagattctat 180
 gtgtgtccac accgagacta acctctatta tcaactactt tgatgagcag aatagaaaaa 240
 atttagaaaa caaaccttaa aatattttgg tgcttggtga ctgagtgaag aggaagaaaa 300
 aatgataagt gtttntcaac gtgcaaagaa tataataata ttctacttat aaaattaatg 360
 aattatttga tcaaattaaa ttctctaatt taatcatcan atattaaaat agtttcttta 420
 atagacatta gagcattcgt tggatatga ccccatangt tcaataactaa gccaataata 480
 tattaatc 488

<210> 35366
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35366

agctnttgat ggatctttgc ttctgaacac tttttctcag ggtttatttt tcgtgggtta 60
 ttgattaata attaaaaacc tgatccaagt gtcctctat aacattgcta catgagtaac 120
 tcgttggttg attataatat ataaccttaa atgtccttga aaggagttgg actaatggat 180
 tgttttattg acctgtggaa aatatggcat cgctgttcat atagnnttgt gaaaacactt 240
 ctttaatttc atggcaacac gaaataagtc attttattca cgttctgcta ctagatgtta 300
 acttaagaat aaatataaat aatactatca ccagtatttt aattacaata ttatcatatt 360
 gtaattaaca tattgggtctt catattataa atactgatct attgattatt agtaaatattg 420
 ataata 426

<210> 35367
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35367

ctcacaagat ctgtgttgcc ttgcttctga aggaaaggcc gtgcataatc agagggaaaa 60
gatagaggca caagagcatc aaagtgctca aattaattca gagtatgcag atgcaaaaag 120
gcttaactgc agttcactag taatagattt gcagtttaca tccccaccta tacctgtcga 180
tattcctgag agaaatagaa gtcaaaataa ggaagaactg gttttattag cttcaaactc 240
ggagtcacat gtttcccaag aaggacatgt tgggagtatt actgatcata gcttggttgg 300
aagtactaaa gctgaggggtg gtactgtcat ggtaaataaa acatggttga agaatagcat 360
ggcgaaagca acacgagtgc atctcaatac taaacctgct gttggagtgc ctctcaatag 420
catggggaaa gcagcaagag tgcattcttan tactaaactt 460

<210> 35368
<211> 429
<212> DNA
<213> Glycine max

<400> 35368
agctctacat atttgtttta atatctatat cggcataact gcactgttaa aggtcaatca 60
gtagatgcac attatgttga ttcaaccagt atgtgttctt gccatgataa tgtgccgctt 120
atgaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcatcaaa tggttaatgcc 240
gtgaggggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacgacgc cagttccagt tgtgcaaaca aatgttcctc aacaacctcc acaaagtatg 360
gatattgatg tggatcataa gaaagctgac acaattgctg atgttcaagc tggaaattcc 420
atcatcacc 429

<210> 35369
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35369

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cctcggaagc aatgagaat agaggggaga tttccaatcc nagaataaga gaaggagaat 120
ttgcactgaa tgcagatcaa gaaaagaagg agaattcccc aatcaaagag tgcgataaag 180

caacaaaaga taagaaggaa aattccccaa tcaaagagtg ggagaaagca aaaagaagag 240
aaaggaaaat tctcaatcaa agaattgggag atagtaaaaa aggaagaaga agaaggaaag 300
aaagctcttg atcaaggatc gaaagaaaac agaagatatg tgcagagagg tctttggacc 360
ggacaatatc tgaacaatac agaattgcac caaatgaacg aaaanagaag gagagggaac 420
cacgacctaa aatagtct 438

<210> 35370
<211> 422
<212> DNA
<213> Glycine max
<400> 35370

agcttgcttc atcgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
caagaagaat taaatctagc cacaaccac gagcataaag tggcggacga gtatgcccg 120
gtgtacggcg aaaagaaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg accaatttgc tctaccttg aacgggagtc aagaacttcc ttgattgcta 240
gctaaggcca aagcaatggc ggacacctat ttcgtccccg aggagatcca cggacttctc 300
atctattgtc agcatatgat agacttaatg gccatataa ttagaaaccg ctaggaagtt 360
tgactggcac tcagatcttg actagttata aatttttaaa taaaatgagt ttatcccatg 420
tt 422

<210> 35371
<211> 489
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35371

nggttcccaa cgctttgttc anactctccc anaacctaga ggttttatag aatctctatc 60
agacactatg ctagatggca caccatgtaa tctgacagtc tctaataatgt acagggaggt 120
caacttctct aaggaaaacc taatattgat ggggataaag tgtgtagatt tggccaatct 180
gtcaacaaca acccaaatag aatcaaaacc tttgggggtc ctaggtagtc ctacaacaaa 240
atccatgggg atactatccc acctccactg nggtatctct aatgggttga acttacctga 300

aggtctctga tgttctatct tagccttctg gcagactaaa cacgtataca caaactcgtt 360
 aacctctctc ttcattgttg gccaccanaa cattatcttt agatccggat tcatcttggt 420
 agcaccaagg tggatgctca nngtgctcct atgaccttcc tctaagatca tcttcctatg 480
 ttcggcaca 489

<210> 35372
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 35372
 agcttagact gagttcatcc taccatcctc agactaatgg ccaaactgaa cggaccattc 60
 attcgttggg ggacctttta agagcatgtg tcttagagca gaaggaagt tgggagagtt 120
 ttcttccatt gatagagttc acttataata acagttttca ctctaccatt agcatggctc 180
 cctatgaagc tttgtatgat agatgatgta cgacaccctc atgttggtta gagcccgag 240
 aaggcctcac cttatgacca gacgtggtac aacaaaccac tgagaaagt tagttaattc 300
 aggaaaggat gagaactgct cacagtacgt agaatagtta tcatgataag aggaggaaag 360
 aattggaatt cgacgttagc gatcatgtat tcttgagagt cactctg 407

<210> 35373
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35373
 cctgaagaca cagtaatggc aaggatgctn ttgttctctt gaatctcttt ngggtcaatg 60
 ccaattaagt ccaatgaggc aaagtaaaaa ttgttgtttc aaaaagaata aagggtggga 120
 aatgcaaaac aactttgtca cctcaggaga agctttacat gatgaataaa aagagaaagg 180
 aaagacattc ttgccttata ggaaaaagt gattgggatc tacgtcaaca ttaatggatt 240
 tagtaggatc cttagtactt tttgatatcc caattctaca ttntttcact agttttggat 300
 tgttttattt gctcatgata aaacaatttt tttggtaaata aatccatgta caaaatttgg 360
 tgtttacaac aatatcattg tttgaggatt ttnttttgct ttagaagaaa acaagagtn 420
 gcaattccct aggagataaa tattttgtgt aatttttagt tatatcatat ctacttacia 480

accctanata tctact

496

<210> 35374
<211> 361
<212> DNA
<213> Glycine max

<400> 35374

agcttgatc ttaatttaga attcctctat aataaagggtg attacatcaa tccttttcat 60
tttttggtgg taaagacggc tttatcccat caatcctttt tctatatcta tcataataat 120
gatccgggct cctttgaata ttttacagga aagaatctat ctcaoctgta atccgatatc 180
gcaatcccgat gatgtgaccg ttttatttca tataaattaa ttctttcttt tatatgcgca 240
catacaagag atggggttagc cgtttttttc ttgcacaaaa gttaaattaaa ccattatcac 300
cagtttagcg gctgtogcca ccttcttcta cctctaccat atcccatcac tgccacaatg 360
c 361

<210> 35375
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35375

aaataactgt cataaggcgt gaacctatgc atactacca tcatatctct canaacacta 60
taccacagaa ccattatgtg agatgatgtc taccacaaacc tgatatgtga agtgccacga 120
tgagagatg cgctacacga ctccgaacat ggctttcttt cgcgattggg agcagacatg 180
gtgtacaaag gttggagctc tgatggagct tcaatggcga tgaagaagaa aggaatagca 240
acgtgagaaa gagagggaga atagcttctg aattcttggg gctgagtgag gagagagaga 300
acg 303

<210> 35376
<211> 426
<212> DNA
<213> Glycine max

<400> 35376

agcttatgcg catatttcct tacgaacggt cacttgacac agacatccta ttaactaaga 60
 aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
 aagggtgtatt tgttacttac atcacacaca tctccttggc tgaatttaca tacatgcata 180
 ctcaaagcat tttggggtag caaaaattgc acatgcgctc atcttggtat ttctaatacc 240
 tatacatata caaacttcat gatgaatcct gactacctac acaataaggt gctacatttc 300
 atgctttttt ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct 360
 tcactgacta aaattgtatt caaaataaaa ggtatatatc tctttgtaat atgctttcct 420
 cacata 426

<210> 35377
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35377

tgtcatcgat taccagagga cattntcaga aaattatttc tatgagtcac aacttttcaa 60
 atggctctta catggccatc aaagggtctat ttatatgtga cttggaacac anatttgctc 120
 acaatttttc agaacaaaaa gggttttatcc tctcaaaaag caaaatcttc ttatcctcct 180
 aagattcctt ggccaatata cttgcaattc aataaggatt tatttgagtg ctcaaattgt 240
 tcaatctatc tctttcaaga gagatttctt cttctcttca ctctaattct canaaagga 300
 ttaagagacc gaggggtctt tggtgtatag aaatctgaac acanaggaag gattgtcctt 360
 gtgtggttca gaacttgtat agggatttac aagatagtgg aactctcaag c 411

<210> 35378
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35378

agcttctata ttagctgaac cattatatca ataaacacaa gttgagtttt attcagaana 60
 ttagagctta tctcttttat cttagtgaag gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180

agtgattctt tcttccttt catcatcacc cttgttcttt caaccacaa ttccaaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataatctcca ttttacgcac tcaaattaag 300
 tgattcttga gcttaaattg aatttcaata cgagaccttt caactcgttc tggaatcacc 360
 tcatttggag cccttgtagc ttccagtatt ggcatatcta ta 402

<210> 35379
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35379

gtggttntca attacgagtg tcgcgatatc ctacgggact cttttgacat ccgaatcana 60
 agttattacg tttgactttt cctagagctc ccgttttcaa tttctagcgt ctcgatatat 120
 taaggggctc aatcggacat ccgagttaaa agttattggt gtttgacttt tcttagagct 180
 tccgttttca attttgagcg tctcgatata ttacagggct cgattagaca tccgagttaa 240
 aagttattgt cgtagatttt ttctcagagc ttccgttttc aattacgagc gtctcgatat 300
 tctacgggac tcagtcggac atccgagtca aaagttattg tc 342

<210> 35380
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 35380

agcttcatcc tcagatccct cttggttgac taggcttaat ttagacagcc ctcataggtt 60
 tagactaact taaactaagc ttcgtccgca gatccctcat ttaagtctag gtcagctta 120
 catagcttac gaaagtttag actaatttaa cttaagcttc gttcgtagat cccttattta 180
 agactaggct tagatcaaac aacattattg taacaacata tttgaaatca aaacttaatc 240
 cgcagatccc tcatttaaga ctaagtttca atcctgcttc aatcatgttc taaggtagca 300
 gtacatttcc caatgctaaa gtcacctaac tatgcacaca aatgggtgat cagaccaaga 360
 gcatatagaa tttaagcact cgaagaagca tt 392

<210> 35381
 <211> 368

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35381

tgtccatgaa aataagatat tgaagtatgt catttcaatt tctgactacg tgaactggat 60
catttttaag atccaacgcc ttaaaatgat cacctcttat gttaaagata aaaatcactt 120
gataagcaag aactacgtag gtctgatttc ctcatcacia ttgatgatac gtaggagcat 180
aagggccgct tttgttgacc accccgagag atcgttaatg gtccaacgcc ttaacgtttc 240
tctcctttct gaatcaaaag atcgtttaat ggtccaacac cttanatgac ctttttgttc 300
aatcagaata tatcgttgcc aaagatgaat aaacaactta accaaacact cttgtccgaa 360
agaactac 368

<210> 35382
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35382

agcttccatc atgagatatg atgtagaacc actccatgta gtccaatata cactgtccag 60
gagcaatata aatctgaccc accggtgcaa ggtattttaga aaactaaatc tatctatcat 120
caatatcctc tatagataaa gatggagcaa caagggtgtg aggaatggtc tgcacataac 180
caaattgtca caaccctctt tagcagtgtc gtctcgaaca tcttcgngc ccgaagcaaa 240
aactaaaaaa gggacccta aacaacggaa acgtatttca taaataattc attgacaaaa 300
aatttcatga atttataaat tcaaccaaca aaaaataaac aaaaaactct tgtatattat 360
aaagttcacc acaataaagt taataattct tttccagatt tctaaaagtt ggtaagcccc 420
tc 422

<210> 35383
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35383

tacaacgtag agctaataca gttgtcaact cagaattgac tctctaccag gagcaaacaa 60
gtacatatatc tattgttatc accaagtcca agtagtagac caacaaattg aaaattaaaa 120
tggtatttgg ctaaggagta atagaccaat agaattgggt aaatacattt agaattgacta 180
tggtattcgg taattcctaa taaaaaagt aaagaatgaa agcaataaac caagttcaac 240
acttgaacta aaatgggtact aattcattga taaaaatgg accttatttg ataggtcagg 300
tctaagcctt tacaaaataa atgaaaaaaa aaacaaaatt aaacttgagt taactcggtt 360
ggcacctcct caataggtat ttaagcttca ttaaccaatt ccccttgatg atcaacgtct 420
ttgtcaacat caaagaagga aatatcaaca tctttcanaa ataacttaac ttgataga 478

<210> 35384
<211> 325
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35384

agctctccac catacccaac aatgtcatta ctgagccaat aaacaaacct cctccttacc 60
caccacccag ttattcacia aggccatccc taaatcaacc acaaagtctg tctaccgcac 120
ttccaatgac gaagaccacc tttagcacia accacttgta aaaatatcaa cattgaaaaa 180
tataacctcc cacaaaaagg aattntgcag caaaaagcct gtaggggttca ccccaaattc 240
cgttgtcata tgctaaactt gatcccatat ctacttgata attcaaattg tagccataac 300
cctagccaag gttcatcaac ctcca 325

<210> 35385
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35385

ntataagcgc ggggttcggga gacanaggtc aagcggttcgc gatatgcgaa gatgatattc 60
cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttntaaaag 180
ctctatagtt gggcctaggc tttagagatt ttccttttgt aaggccttgt gtcttttgtt 240

cttgaattta taatacaagg atctttcttc atctgttcct ggtctctacc cattctcatt 300
catttgcatg tttacttctt tttctgaaac ggcagatccg atgacgagtt ccccgagggt 360
actaatacct gtgacccgtc tatcgacttc 390

<210> 35386
<211> 419
<212> DNA
<213> Glycine max

<400> 35386
agcttctcat agaagcttct caaggaagtt tctcaagaaa gcttctcatg gaagcttctc 60
aaggaagttt ctcaaggaag ctacctaggc tataaataga agcatgtgta acactttttg 120
taactttgat gaatgaaagt cttatgagac acacttcaaa gttccacttc tctccctctc 180
ttattccttc aatttcgtgc tcccccttc tctctttctt atcctccatt aaagcatcct 240
cttcaagatt cttatccaag gcacattctt ggtggagaag ctcttcttc catggcttat 300
ttcctagtgg atgaggactc cctctcttc ttctcctttg ccttccgtg catctccatg 360
gtggaaaatc accattgaag aaccgcattg aagctcacag atccagctc catagaagc 419

<210> 35387
<211> 318
<212> DNA
<213> Glycine max

<400> 35387
cgaagtgaga gagtgtggaa gagtcaagtct tctactttt attcgttgac cacagagtgg 60
tacctgaaga tatgtctcga gggtaagag accttgggga cgtcaggtgg tgtgttattg 120
cccaaaacca agcttgacca atcccagccc aaccaggca tagtcagtca gtgagaacct 180
gtgacgtacc tagacaggcg agctcctggc agtcaaccga taaaagaaca cagaccacaa 240
agcaaggagg cttgtgtggg ggcattggcag ctatggatct tgagtgatat ttgggttatg 300
gcctctggta atcgatta 318

<210> 35388
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35388

agctcttggc acaaagaaga ataagaagtt cacagagatt caaggcttgt aaaggactgt 60
ataagattga ttggaaaagt gtattaaaaa gcaaatcaaa gccttgcttt tatagactct 120
tcatgtctgg ccaagaggat catttagaag agttataact tttagaaaaa cttaaaacca 180
atttgaaaaa gtcaaaaaac catttgaaga gttacatctt ttgatttatt cagaaacaat 240
cactggtaat cgattaccaa atcagtgtaa tgcattacac aaaactttta tgtgaaagga 300
tgcgactctt cacatttgaa tttgaagttc aacgtttaaa ggcaactgata atcgattacc 360
anaacattgt aatcgattac aactttttga aatcaatggg agcgttgaaa ttcatt 415

<210> 35389
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35389

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taagtgtaaa aatgtattta aaagcaaata aaagtcttgc atttatagac tcttaatgtc 120
tggccaagag gaccatttag aagagttata acttttagaa aaacttaaaa ccaatttgaa 180
aaagtcaaaa accttttgaa gagttacatc ttttgattta ttcagaaaca atcactggta 240
atcgattacc aaatcagtggt aatggattac acaaggcttt tatgtgaaag gatgtgactc 300
ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgatta ccacaacatt 360
gtaatcgatt acagcttttt gaaattaatt ggaacgttgt agattcaata tgaaaacttt 420
ttcagaacaa ttctgctatt ggtcatcgat tacaacaatt tggtaatcaa ttaccagaga 480
gtaa 484

<210> 35390
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35390

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aaaatgcacc catatacaat caaggtagct tcattaccta aattatttac atgtacttcc 120
aaggtgtatt tgttatttac atcacacaca cctccttggc tgaatttaca tacatacata 180
ctcaaagcat tttggggtac caaaaactgc acatgcgctc atcttggtat ttctaatacc 240
catacatata caaacttcac gatgaatctt gactacctac acaataaggt gctacatttc 300
atgctntntt nttttttcaa gtttttgcta cctaaagcca catgcaaatt caagcatatt 360
ttcctttgct gactaaaatt gtattcaaat tagaaggat atattntttt gtaatatgtt 420
ttcttcacat 430

<210> 35391
<211> 405
<212> DNA
<213> Glycine max

<400> 35391
cgcatcatcc cgtttcagat tctatacaac gattaatata gattgtttgc attaatcggg 60
gtattgaatc ttgaattgtc cgtttggaca gtttgggaag actaattttt aatagtagat 120
tattatgtat aggttaattc tcttttctta aatttgtcaa catttcggta tagttcattt 180
ccctttgttc ttcgagttca tagttgaata tgggtggataa tgatatgcc aacttttcac 240
gttgtgtact tggggactta gccgaaatgt tgccgaaatt ttgacaaata tagaaaagac 300
aattaacttg tagcattcaa tctactaata aaaaatttct tcttgaatgg gttatggcca 360
cacctttaat taacaaagtg agggttacat gcacgtatat aactc 405

<210> 35392
<211> 360
<212> DNA
<213> Glycine max

<400> 35392
agcttcaggc tgctcaattg ctccaggatg ctgcatggaa gggcaaaggc ctgtatgggtg 60
gtcagcagag gagcaciaac cacaaccctt tgcgacaggc acagatttct gattcaaggc 120
cagctggggt accaagttga ccaacgcac cagtttgcct tcaagcttct tagtttcaga 180
tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatatctgg cttcagcatg 300

agacatggct tcaagggcta catcactggc agcatctatc atacttctct gcatattact 360

<210> 35393
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 35393

cgaacgccgg ccacgtcgt gaccacgggt ggtgcaactga caatcgtgtt gtcgctgaat 60
 ccctgtactt gcatgtggag ctctgggtccc accgtcgagg tgggtgctata tggattctgc 120
 aactcggcgt ttggtctctgc caccatgacc tccacctct caccagtcac ccacgcattg 180
 ctggtaatcc cgttttagcgt accgacgtca ctatctgcag agtctaattc ttacatgag 240
 ccatactcac tttccttccg gccatagcaa gggcctgaat tgctgccatc ttctattaca 300
 ata 303

<210> 35394
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 35394

agcttcaatc acattgtgtg ctgctctgac ctctacgtct gctatgtatt cctacaataa 60
 acaaaagaca gtgtcatttt tagacaaaat tctgagattc aatgaacaag taataaatct 120
 tgcacaagt acgttttgggt caaactttca taaaataaca ttattaggat ggaccttaatt 180
 aaagtaacca tgctataact tttcttcacc aaatctttgc ttttgctcag aaagtcgggt 240
 ctaacattgc atggaaaatg gaaaattcgt tcctgggtgtt tgtgatacat atatagatga 300
 gattaattta ctaaaagcct aatatatata aatatcacta gcgaattaat atacatttca 360
 gtggacaata tgtattggaa ttatgttgta atacctttcg tctaataatat gttaacaaat 420
 aaactat 427

<210> 35395
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35395

ntgagccaca atcctgactc accatatacc ttgacccag gtgttaatgc caatccttac 60
 cctcggaagc aaaanaagaa tagaggggaa atttccaatc aaagaataag agaaggaaaa 120
 ttttcaatga aagcaaaaaa gaaatgaagg aaaattcccc aatcaaagag tgggagatag 180
 caaaaaaagg aaaagaagga gaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
 gaaaggaaaa ttcccaatca aagaatggga gatagtaaaa aaggaagaag aagaaggaaa 300
 gaaagctcct gatcaaggat cgaaagaaac cagaagaaat gtgcagagag gtctttggac 360
 cagacaatat ctgaacagta cagaattgtc accaaatgaa cgaaaaaaga atgaaaggga 420
 accacgacct caaatagtct tctcc 445

<210> 35396

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35396

tgcgctctta cctacctctc ttcccactaa tataggagta ctactatgta cacactatta 60
 ttgtaataca aaacanncat acagcngnng cctgatgcat catactcacg gcaacagccg 120
 gaccgggacc ttagatcgac tgcagcagca agctagaaaa ttattttccg ctgttatact 180
 ctgtaaagag ttgttattgt gcgacttatt ttcccattca taaagctaata agaacaccct 240
 aaactgctct aggccataat ttaaaagact gtactgctaa gtgattcatc ctgaatacga 300
 aaactcaagt gggtgaaatg acaaatgaca ccatgcaatt aattgacctg aaatttcaat 360
 tattcataat gcaacaaaga aaactacccg acatcctctt agcgaaaagg cactaccac 420
 ttttgggtga ccataaaata tcatactgtg gcctattcgt aactaccatt aaaatacatt 480
 ttaaaccac tgtcttatcc atcaatcata cg 512

<210> 35397

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35397

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gcatttttgtg aaaccaattt ttgcgtcctt gagcagtggg aacccttctt ttaatgttgg 300
ttttccttta actaatgttg atattntaac ttggctctgc tgtgtgaagt tgataagaat 360
gtagtgattg ttaaaggatt tcactagggt cggttcagtg gcatgcacct aagtctc 417

<210> 35400
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35400

ggctctanat ntacattgat gtttgtatit atgggaggag gttatatgcc attnttgctt 60
taagagtagt atcccactgg taaaattaac ttcccaaag tttgccttcg caggaatggc 120
cccgagggaag cttgcctcat agaggtccag gaaggacaag gcggccgaag gaactagttc 180
cactccggag tacgacagtc accgctttat gagcgtctga caccagcagc gcttcgaagc 240
catcaaggga tggctgtttc tccgggagcg acgcgtccag ctcaagacgt taaagaagcg 300
ctactatgag gcaacctagt acctntaaa tttctgcctg ctatttgatc actntttata 360
gtaggaacgc acctagtgt catgatcctg ngaatntaaa taaaacaagc gcaagctcgg 420
aaggtagtca tacctcacan aatatatata tngtatgtta ggtagaaaga taccttatat 480
atgcatgtat 490

<210> 35401
<211> 360
<212> DNA
<213> Glycine max

<400> 35401

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tacagttggg ttgcatatac attttaattg tcaaaacata tgattcatgg atatgatcta 120
agcattcttt ctttctttac atttttaagc cactggccaa acagctatcc ccaatgtata 180
ttatctttat catttgcaag ccttttgagc aaaacacttg atattttatt gtgaccctaa 240
cctacgataa aatgttccta cacttgatac ttcactatgc atgctcatat ctttcgaagc 300
atatttattt tagacttata ctagagatat ttgtaatttt tctgcacttt gcttgaggac 360

agttgggatt tgctagcaga caatattact attccaattn tcacaaattt gaagaaa 297

<210> 35405
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35405

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 tggcagcctc aagttctgat atagctactt ccttgtcatg taaaatggta gtgatgtatt 120
 cctgtttttt agcctcagaa cgagcaagtt cttctagtaa ttgatccctc tcttttctcaa 180
 taatctcttg tctatgttga gcctccgaaa gagctatttt ggttaccact aattcatctt 240
 ctattcctat aacatcatct tgatcaacaa ctacatctgt gagtttgtca tctgaatcat 300
 tctgtcacac aaatagaata aatatagggg cactctccac tatcaacttt gtaatttgca 360
 cctacttaat ataatatcat taatagatat gtgaaactcg gtcacctttc tgaaaccaga 420
 tactcaanat ggccagcctc aaaatcatgt atttcataaa gaactagata taagt 475

<210> 35406
 <211> 324
 <212> DNA
 <213> Glycine max
 <400> 35406

tctatggaag ctggatcttt gtacttcaat gagatgcttc tatgggtgatt ttcaccatgg 60
 agatgcaacg gaaggcaaac gagaagaaga gaggggaggg tccatcccct atggaataag 120
 ccaaggaaga aggagcttca ccaccaagaa ttgccttggg taacaagctc gaagaggatg 180
 ctttaaatgga ggaaaagaaa gagagaaggg gggagcacga aattgaacga atacaagagg 240
 gagagaagtg gaactttgaa gagatactat aagactttca ttcattcacag gtacaacaag 300
 cgctactcat gcttttattt atag 324

<210> 35407
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35407

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ataaacaatg ttgacaagat cattgaggcc gaagaagaaa tggctaactc catgtgtgta 120
attgagttga atagacaaag tacatttttc ttggtggaac aattactaaa tccaagacaa 180
tgatgtcttc cagaaaaatt tgctataaac atttcttaaat aatgggtgtaa ttgtggtaaa 240
ttataaaaaat tacacatgtc atgttcacat gcaattgcaa catgtaagta tgtccatggt 300
gattacaaat agttaatcaa tggcgtttac aagctcaatt acgtgtccaa cgtttacagc 360
agactgatag agcattttta gttcattaat atcctattct tottagctta ttcgaccttt 420
ctttgactct tattctctca gcttaattca a 451

<210> 35408
<211> 361
<212> DNA
<213> Glycine max

<400> 35408
gctctcacta agctcttatt gtataagtgc tcaactaaac tatatattca tgttcaaata 60
ctcaaagaca cctttgataa ccttaaaatg ggaatcctca attgaatttc aacatattat 120
gaactatatc gtatgccctt acaattttat tctaacaagc ctctggccct ttatgtgtat 180
cttcatccca actgccata ccttcataaa tatatacagg atatagtacc tatgcaccca 240
ttgtttatth gcattttaa ac tagaaaaagt acaccttagt atttactact acgaattgaa 300
cagggaaaaa taatacaaaa ttacttacat gacactccct tgatttgaat ctatcacacc 360
c 361

<210> 35409
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35409

nggaaacgan attacctcac tgggctatca cggcatgatg ctattactct cactactaaa 60
ctagaatatg attcgagata gaaggtaatg atgtataana ccaaaactta ctatctocaa 120

cttccttttg ttgttttctt tttatccggc gagaacaaca ctggctcttg aatgttgacc 180
 ttgaacagta gcaggaccag cacacatttt caaagataaa aaanaaatta tatatatata 240
 tattgaactg aagatacccc accaccatgg tggcaagtcc tacgtaaaca tatttctgtt 300
 gacaaagaca aaaaaggagc ctttccatat gttntcactt ttatatatat atatatatat 360
 atatatatat atatatatat acaactaata accg 394

<210> 35410
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 35410

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 aaatccacgg gctcctcagc tattgtcagc atatgataga cttgatgggc catataatta 120
 ggagtcgata gggagtttgt attgtcattc agatcttggc tagttataaa tttctgaata 180
 aaatgagttt accccatgat tttactccaa aaaatcagcg cgaatcaaata cactcccaca 240
 ctttatctct agcatgcatt cattcttcac tacgtactcc ttacatttgg tctctttagg 300
 aaagacgcca taactaaacg cgcccccaagg gatccctatc gcaccatata ctaatcaagg 360
 acgatgagta acctacagga agcgcaggaa catatgaaag tcgacatgtc 410

<210> 35411
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35411

ctaataccat gttaatcacc aactcttcta acagcttaag ctattatgtg ggttttgtga 60
 atgataatga ccttattaca tctgcggaca agtgaaaagg gaacaagaca aaagggatac 120
 cgaatggttg tgtatgtgcc gaatactagc actaggetta caaagtttca cacaatgctt 180
 atttgcttcc agtataagca cataaagctc ctctgagat atataagaag ccatggcatt 240
 cttttagaaa agtggcaagc aaaaaagagg gaagcaatat gttgatttaa aagttaaaaa 300
 atcaaagcaa catggggatt tagcattttt attttatgct tgattcacag agcatgaaca 360
 aggagaaaaa actaagcttc atacatgttt atgtcatagt ataccacatt cattagatat 420

<210> 35414
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35414

agcttagagt tgataagtat tctagcttac aaacttcatt ggatactgga acagctaaag 60
 gcttaaccaa gggaaaaaga gtcattcttac cctcaacggtt tggtgggagc ccatgttata 120
 tggatcaact ttactttgat ggtatggcaa tatgcagtca tggtgggtct ccaaactctt 180
 ttattactct aacctgtaat ccaaattggc ccgaaattcg tagattactt tcacctttga 240
 atctcanacc aacagacagg ccagatattg tatcacgaat tttcagatta ataaatataa 300
 acacatgctg tcagacttaa caaaggggtca attactgtga aaagtgggtg catgtaagtt 360
 gaccatcatc tttatactta aatacaaata taagttgggtc att 403

<210> 35415
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35415

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 gatgggatga aatataatct ggacgaaata aaatctagat agaataaaat ttgaataaaa 120
 taaaatctag atagaataaa atctggataa gataaaattt gataaaataa agttattatt 180
 attattatta ttattattat tattattatt attattatta ttattagtta gacaagccgg 240
 cttgtcaagc ttaacaaact tnttttatgg tttgagcttg gcctttatat ctaataaggc 300
 tgtttaaaaa gcttgagctt gacctttata gtaaacaagc caagccgaac cgagccttac 360
 ataggccgag ttgaaagccc tcgacnagct gttcagctca ttaccactcc taattataag 420
 tcccatgagc aagcctagtc ctatataaat ctgacaaaat atat 464

<210> 35416
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 35416

agcttgagat gatgaagtgt tgaatggtga aacttcctgc ttttattgct gaccacagag 60
 tgggtacctgg agatatgtcg cgggggtcat gagaccttgg ggacgtcatg tggcgtgcta 120
 ttgccacaa ccaagctaga ccaatcccta cccaacccgg gcatagtcag tcagttag 178

<210> 35417
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 35417
 tctcatgtag caccacaaac ctcatcttc tgattactaa gacaacttga tttcttcact 60
 ttcttggcgt gcaaggcata acattgagct cgctctctc tttgatcttt gactctatga 120
 tgaagcttct tcacataatc ctggctgagc ttgaccttat gtacgcgttc atgatagaaa 180
 cattacgcat agcctttaga tcacgacgag cctacggtgt ctgtccataa cctgcattag 240
 actgataact attagggttg ctctgaacac cattatagag ccaaccacca 290

<210> 35418
 <211> 152
 <212> DNA
 <213> Glycine max

<400> 35418
 agcttatcgc gcgcaatagt ttctgctcct tcgtgcttaa cgccacgctt ggcattctga 60
 tttgcgtgct cgcttagcgt ctgacgcgcy cttatcgcca cttgtgggct gggcctgctt 120
 cacatttcct tccttctctt catttctatt gc 152

<210> 35419
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 35419
 agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctaataact aagctcacct cttgagaag cttccttgag 120
 aagattccta aagaagctag agcttagcta cacatactc tctaataagct aagcttacct 180
 cattgagatg agaagctaga gcttagctac acaccctat aatagctaag ctcaccccat 240

gacaaaaaaa catgaaaata caaaaaaaag tccttactac aaagactact caatagaatg 300
gccaaaatac aaggcccaga tgaaggaaaa accaattcta atatttacia agataattgg 360
gctcatactt agcccatggg ctcgaaatat accctaaggc tcatgagaac cctc 414

<210> 35420
<211> 478
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35420

gggagaggat gcttcaatgg agganaagaa agagggagag aaatatggag gngggagcac 60
gaaattgaag gaagacaaag ggagagaagt tgaactctga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240
agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
cttaagaaga ttcctaaaga agctaaagct tagctacaca tacctctcta atagctaagc 360
tcacctcctt gagatgagaa gctagagctt agctacacac ccgctataat agctaagctc 420
accccatga gaagaaacat gacaataaca gagaaagtcc ctattacaaa gacaactc 478

<210> 35421
<211> 342
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35421

agctttatgc caattcatat gacaataact ntttactcgg atgtctgatt gaggcccgca 60
atataacgaa acgctcgaaa ttgaatgctt aagctctgag ccaattctaa cgataataac 120
tatctactcg gatgtccgat tgagtctcat aatatatcga cacgctcgaa attgaatgtc 180
gaagctctaa gcctattcaa acgacaataa cgcttctact ggatgttcca ttcagtgcg 240
taatatatcg ggacgctcga aattgaatgt tgaacctttg agccaactca tacgacaata 300
actttttact cggatgtctg attgagtcgc gtaatatatc ca 342

<210> 35422
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35422

tattacggac actatagata ctcagctana cattcaattt cgagagtctc gttatattac 60
 gggactcaat cagacatccg agtaaaaagt tattgtcgta tgaattggct tatagcataa 120
 acattcaact ttgagcctct cgatatatta cgggactcaa tcagacatcc gagtaaaaag 180
 ttattgccgt ttgaatttgc tcagagggttc aacattcaat ttcgagcgtc tcgatatatt 240
 acgggactca atcagacatc cgagtaaaaa gttattgtct tttgagttgg ctcagagggtt 300
 caacattcaa tttcgagcgt cccgatatat tacgtcactg aatcggacat ccgagtaaaa 360
 agttattgtc atttgaattg gctctgagct tgaacattat attacgagcg tctcgatata 420
 ttacgggact caatcagaca ttcgagataa aagtattgtc gttgaattgg atataagaca 480
 acattcaatt cgagcgtctg atatata 507

<210> 35423
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35423

agcttctcaa gcaagcttcc atcaacacat ttgcatgtag gaggaatagt gaattgggaa 60
 gatgacattt caggacctcg cattcttgcct ctctctctct cccacgtaag tttctcctct 120
 ctctctttat tttattttat caaaatgggtt gggattaggt ggaaaatccc attttcgtag 180
 gccacatgt gtttttctaa tgggagttga taatgggtccc tactaaaatt gctattggctc 240
 cttacaaaac tntaaaattt gaggaaaagg ccaatttacc ctctattcag aactccacc 300
 cctccttccc ccttcttctt actattgctt atgttcttct caaccccatg ttaaataatac 360
 aatggaaata caattctatt gtaaacttcg ttaaaaaatt aatacacaac gcanacatga 420
 tttt 424

<210> 35424
 <211> 482

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35424

gacctatgat actcagctgg ttaagcggaa gaaaggataa cagagactga cgagatgaag 60
atgaaagaaa gcaaaacaag aatgaattga aagcctcgga tttgaacact taccggttga 120
agaccgaagg acgaaccaag aacagatgaa gaacgacgga aaatcttcac aaaattgctc 180
acagaaaactg tagacaaagg atcaagctga aagttttgat gatgccaaag gattacatga 240
atcacatgct tctcaaagat ttactcaaga caaagcaatt agagatattc aagatggatg 300
atcaagacag tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg 360
aagtagcaca aggtttggcc aagaattnta agttanaaag tctttctcaa canatntact 420
ctctgngtaa tcgataccag aggatgtaat cgatttacca gtggcanaac tgatttacia 480
ca 482

<210> 35425
<211> 423
<212> DNA
<213> Glycine max
<400> 35425

agttccaac ttagagatag agatcattgt aaaaggaagt tctggggtaa aaagtaacta 60
taagcaatct acggtgagct tatccagcga atcaaaacag gaacaagaac atgtaaaaaa 120
taaagttgaa aatcaggggtg ctggtaatat tccaagatac ttgaatcttg aaccatcact 180
tgcaatggat tggcttgaga taccatggga tgatttgcca atcaaagagc gtgttggtgc 240
cggcaaattt tctgcttctt ctgtttcctt tttaaagaac atgactgata tgccaaatct 300
taatactctt cgctatgtgt aggatcattt gcgactgtgt atcgtgctga atggcatgga 360
tcagtaagtt ttgaattagt tcttctttgc tgaattctat gcatgtacaa gttcatgaat 420
att 423

<210> 35426
<211> 449
<212> DNA
<213> Glycine max

gtatttggtta cttacatcac acacatctcc ttggctaaat tcacatacat gcatacccaa 180
 agcattttgg ggtaccaaaa attgcacatg tacacctctt ggtattttcta atacctatac 240
 atacacaaaac tttatgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300
 cttttcaagt ttttgctacc taaagccgca tgcaaattcc agtatatttt cttttgctga 360
 ctaacattgt attcaaatta aaagggtatac atcttttgat aatgtatctt ctttacataa 420
 catgcaacac atttantgta tattntttgt gagacattnt gactaccana aattatatgt 480
 acataca 487

<210> 35429
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35429

agcttggccc ttctcctttt atgtttcaaa aagtatagct agaacatggt aactatgaaa 60
 aggttattga aaaagggttg agccattaat ttgttggttg tcctatgttt gtcttaatat 120
 gcaagcttaa agtcataatt atgaatctaa ataaatcttt ctttggtgat attcatgata 180
 aagttaattc ttgttataaa cctattgaag ttatccaata tgaaattagc catgntgtat 240
 tatgtgatgc ttggaaagac aatgatgcta aagcccaatt agatcttgat caagctctct 300
 cttgcatgag actctctgga aggaaatagc tttgtgaaat ggaattgcc a ttgtaataca 360
 ttctcatttc acatgactca agtacatcaa acatcaaaac ggtttctata cttcgtaatg 420
 g 421

<210> 35430
 <211> 452
 <212> DNA
 <213> Glycine max
 <400> 35430

tgtagaaagt gtctgtgata aggtgaacat caagatcttt atccttacca attcttactc 60
 gttaccaat gttcaagcac catgttgcac ttgcaacggt aaaaatgtct tcaatcacct 120
 atactctagc caccatgtca gtgatatgat ccttgaagag gtcaacatcg agatctttat 180

ctcaaccaat tcttactcat tcaccgatat tcaagcatca cgttcttgcg atggtagcaa 240
 tttctacaat cacctatact ccagccacta tgtcaatgat acgatccttc totatcaata 300
 catttctcta aaattctttg aacagttcaa caataataac tttgcccttg ttgaagaagt 360
 taacgatgtc atagagaaca aagttattct tacgtgcaat ctttatgtct tocaacatgt 420
 ttatgttgaa ctgatgttca atatgaatca tt 452

<210> 35431
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35431

agcttaaaca aaatatgaac cttctctcaa ttaacccttt gttcatttaa ttactaaaat 60
 agtttaccat agaactatag atctgcctag agaacaaggc tcccaccac tagggtagat 120
 atatgtagtc ttaccctcac aagtgggaaa ctgtttccat gatttgaacc agtgacctcc 180
 aggtcacaag gcagcaacct gattgttggtg ccaagactca ctctcataga actccaaatt 240
 aagaagtctg aacataccat atgattgatg aaagaaagga accaaaagta cataaatcca 300
 aggaacaaag cttaagagtt aagaatttta tgcaactagg taacaataat caattntaat 360
 atgttntatc attaaaatta taattattaa tccaataaat taccaatcaa taattactta 420
 attc 424

<210> 35432
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35432

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 ccgcttagag gtaagggatg agtntatcgc aattaggggtt agaatgaaca tgtgtaagga 120
 tccttanggg attaaattga ggcttatttt gggatgttta ttgtattgta atttttcatg 180
 tatgattata attttgagat tgttatattg ggatcatgaa attgtgattg aaattatgtg 240
 taattgataa attgcatata tgatgaatta ttagataaca tgttgctttg agatcataac 300

attgttattg agactgagta ttagttcaaa gtgttacatg tgtaatttg tgagatacta 360
cgttacatgt gatggttgat tttgacatga tgagatgt 398

<210> 35433
<211> 424
<212> DNA
<213> Glycine max

<400> 35433

agctttataa tttgtattaa caacattcag aaactgctgg taatcgatta ccatatatgt 60
gccatcaatt acacaatgca aattttgaat tcaaatttta atagctgttg taaatcagtt 120
ttggccactg gtaatcgatt acatcctctg gtaatcgatt accagagagt aaatttggtg 180
aaaaagactt tttaacttaa aattcctggc caaacctttt gctactgcaa ttggaattcc 240
cttcctatct aatataccct ctctaagact ctgagactg tcttgatcat ccatcttgaa 300
tatctttaat tcctttgtct tgaatacagc tttgagacgc atgtgaaaac tatggcatta 360
tcaaaacatt cagcttcac ctttgtctac aatctcctc cggatcgatg accatccaca 420
atgt 424

<210> 35434
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35434

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cattatttta tctcgaatat ctgacttgt cttcaaacaa gtttgaaggt tcaattcctc 120
ccaaatttg tgctctaagg agcctcaaaa cattgaacct ttccaataac tcgctggtgg 180
gagagatacc aaacgaactt catggccttg agagtctaca ggattttcat atattcaaca 240
atcacttgag cggtttgata ccatcttggt tagggaattg gaccaatctg agagttgttg 300
ctgcttatga gaataattcc tatggaacgt gtacaagtaa acttggatct atttatgagc 360
ttacaacact taac 374

<210> 35435
<211> 414

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35435

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tgggtacctgg agatatgtcg cggggggtcag gagaccttgg ggacgtcatg tgggggtgcta 120
ttgccccaaaa ccaaacttga ccaatcccgga cccaacccgg gcatagtcgg tcagtggagaa 180
cctgtgatgt acctaagcat gcgagctcct gtctgtcaac agataaaagg aacaaagacc 240
acctagcaag gaggcttgtg gtaattggcc agctgtgaaa cttgactgat aatgtgagat 300
atgggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaatgctt aaaaatgaag 360
acaggagggt aagatgggtct ctgggttatcg attaccaaag cgtgtaatcg atta 414

<210> 35436
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35436

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gcataatata tcgcgacgct cgaaactgat caacggaagc tctacatata ttcaaattggt 120
catacttggt actcggacgt gcgaatcatg ggcataatat atccagacgc ttgaaattga 180
acaacgcgaa ctncgcagaa gttcaaattcg gcataacttt ttactatgag gtc 233

<210> 35437
<211> 367
<212> DNA
<213> Glycine max

<400> 35437

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ccaagcccct actttcgagg ggcagctccc accttatgac gactatcccg ggcaagacga 120
tgaggaagga gatacccatc tcgggtccct gctccacctc aaagatctgt ccccccatga 180
actaccccaa ccaaacatag tccgccatat cccgacttca cccacactcg taaaagaatc 240
tgtttccttc gtggaagata aaggaaagat tgacgtgctt gaagagaggt tgagagcagt 300

ccagggcctc ggcaattacc cattctcggg tctagcggac ttatgtctcg tacccaatat 360
cgtcatt 367

<210> 35438
<211> 397
<212> DNA
<213> Glycine max

<400> 35438

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ccaagccgag gcgctttcga aatgtttgcg taacgttgctc gtgaggaatt tctcgaaagt 120
ttcgaccgtt cttcgacgct cttcattcga tcttcacgtt tcttcaatct tcaacgggta 180
agtacctga accaagcttt tcgattcatt ctatgtaccc gtggtggtcc acattgtgta 240
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atattatata catcatttct cgcttagcct gataataaga taaatttcca ccgacgctt 360
gaattgtatt atccgctaac tacggcttat atgaatt 397

<210> 35439
<211> 419
<212> DNA
<213> Glycine max

<400> 35439

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atcagctgcc aaaaacagtg gtgaacacct agacttgctc aatacatgga ccatactctt 120
atctctttgt aaaatgactt caaccacatt aacatctcca ctatggacag cctcatgcaa 180
aggagtgtcc ccaagatcat tcactcttat tgctatcttt ctatctttca tcacatcatc 240
atgtgttgac ttcactaatg catatttgta aacaatgacg ttgaccatag tcgtgctctt 300
ggaactcaac acaccatgaa gtggagtgtg acctcttaca tttcccctaa tacgaagtgc 360
atgatagcga cacgacaatc actctactat cttttctgtc ccttaactgc tgccacatg 419

<210> 35440
<211> 368
<212> DNA
<213> Glycine max

<400> 35440

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tcaaagtgtt ggaagcattc aacattctca ttgagaaga actccatata tatgaatatt 120

gggtctacaa tggaacgaga ggaatagagg ttgtgtacc atatacgtg ttctcttat 180

gagaataatg acccataggg attgcagggg ggaattggag ctctctatga ccagaatgc 240

cgatgactcc gactcgaagt tgctttccgc catttgaaga gttttttcgg gatttctatc 300

ggttctaattg atagagatcg atgatagatg aacgttgtgc ttgcggtga gtgatttcga 360

caagaatt 368

<210> 35441

<211> 389

<212> DNA

<213> Glycine max

<400> 35441

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ctcaaaacat gtttaccaaa gagttttact ctctggtaat cgattatcag attattgtaa 120

tcgattacca gcatccaaat ggatttgaaa aagctttcaa actgaattta caacgttcca 180

attaatttca aaaagctgta atcgattaca atcttttggg aatctattac tagtgccatt 240

gaacgttgaa attcaaattt atatgtgaag agtcacatcc tttcttataa aagccttggtg 300

taatcaatta cactaatttg ataatctgat taccagtgat tgttactgaa taaatcacia 360

gatgtaactc ttccaaaggg ttgacttt 389

<210> 35442

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35442

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ccccaccccg cgagcngtng atagtgcac ctactacnac ngancatan aaactcagct 120

tgcaagttg ttggcttcta tacctcgaag cttgtgctat tctctctttt cattctcttc 180

ttcctgtgcg taaaagaatt cgccaaagac taaccgcctg aattcttttg tgtctccctt 240
 ctcccttgtc aaagaattca aaacgacaca ttctgagaat tctcttgatt cgctcctttc 300
 ccatatacgc atgatctcaa gggactaatc gcctgagaat tcttttgtat tctcatgcac 360
 caagatgcaa aggtataacc gcctgagaac tttgcttata acattgcagg gacatccttt 420
 gtggtacaag tagagcgcac atcttcttgg gtatgactga gaacaatata cactacatcc 480
 tcttgggatac atctctatcg gaatgtcctt ccactagatg tccaatagaa catgtatgga 540
 cactccttgg cctccttttt gaacagatcc tcaagtagca aaaatactac tc 592

<210> 35443
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 35443
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 aagaattata tatataacta cataaaagta gttaaacata ttatagacat tagatatata 180
 tatatatata tataaacata gacttatata tatatatata tatgtatata tataatatag 240
 ataacaacca caagggtata tacatatatg tttaatgcat tctaaagaag atatgaaaat 300
 cctacagtga gagacaatat cttgattttg agcgcgtgag catcatcacg gagaattaat 360
 ataatttttt aagagttatt tcaagaggta aatacaattt gagagaatct atctgtggca 420
 gcg 423

<210> 35444
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35444

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 ttatcagaga gatatcacat accttctgag tattcaaaga gttgagtcta agacttcaaa 180
 gagagaaaga ctgtgtcatc atgagaatca tgagtgacca tggtagagaa tttgataaca 240

gcacgttcac tgaattctgc acatctgaag gcatcactca tgagttctct gcagccatta 300
caccacaaca gaatggcata gttgacagga gaaacttgac cttgcaagat gctgctctgc 360
gcatgcttca 370

<210> 35445
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35445

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gttttactac aggtatactt tgatttaatt aatttttcca ttgtttctag tctaggaatt 120
aggatataaa catggttcta aaaaaagtat gtggccatca atgtgtgtag atacactcta 180
agattgtaag gagaggatat atatttgatt ctaaaagaat atattatggg gaagataatt 240
ggagatccaa ctgaaaaacc acaaaatatt aattactgtg ttaaggatgg tgcaaaacat 300
atatggtgat tacaatttac aaccattnga attaanagat aattaaccat gtataaaagc 360
tataatacat taagagaata ttaat 385

<210> 35446
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35446

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tgtggcaatt gtcttgaatg ttttagacta ngcatgtgtg tgatatagtc taagtctttt 120
taatacttag ttttgatcaa atgtaaagtg aatgaagtat tttatttctc taagtttctt 180
aagtacaagc aatagaactt acttctactt gaaatttggt tgtaaccatc gaattaattg 240
attgcctagc ttggtaattg agtgcctaag ccagattcaa aagaaggaag gatgtatagc 300
ttaggataat tgactgctct gtctctggaa acaatgagaa gttctctatg tgattctaca 360
atctattacc acatgtgaca atcaactacc cagagagcac agaagcaata gagatactca 420
aactgaaaca cattaatcaa ttaccctctc tataatcaat tatccaattt ctggaaatgc 480

489

<210>	35447
<211>	403
<212>	DNA
<213>	Glycine max
<400>	35447

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ataatcattc	acttgagttt	gggtttgaat	atttgtggtcg	ttggagaatt	taatgttggt	120
gttaaataca	catctttctt	catgctagaa	aaccactctt	tttagcttcc	ttgaagaaca	180
cttcaatagg	aaatcacttg	ctcttcatca	aagtaggtct	atcacaacaa	gatgcatctt	240
ttgatgttct	tttgaaactc	caaagtgggtg	aacttcattt	attcttcatg	agatttcgaca	300
gatacctagga	gaatgtcttg	tcatacaatt	cttataaaaac	aaatcttaga	cactaactat	360
tatatgaaat	cttatatgct	atattagatc	ataatatata	tat		403

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<210>      35448
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35448
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aggtattaga	aatagtgaca	aattgtcttc	tatctctgaa	taaaatcatt	tgacatttag	180
tcatttagat	tatgtgtcta	ttattccatg	ctccaataga	tcaaaagtca	aagcactggt	240
ctcttctttt	ataatctaaa	ctacacttct	ctctcaaact	tccatcagta	tgcatgcgac	300
ttgaggggtca	ttgtcatttt	atgaaattgc	cgctgagttt	cacactgact	aatatgaaga	360
cttggtaaat	aacatgaaag	ttatagtgac	caacgtctcg	atgatgtcta	agacgattct	420
gaggacgaac	atg					433

<210>	35449
<211>	426
<212>	DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35449

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ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtgtt gtaatgactg 120
aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
aaccaatcga atgtcaaaac cgccttcaact agcagcttaa tgggaagtcgt tgtcatcttc 240
atcaatgtga catggagcat tgtcttggtt tatgaaaata gtctctcctc tatccnctat 300
tggccatttt gctttgattg cagacaacac atgatgaata agaanatgtt tgcttacttg 360
tttaattatt gaagatattg gttntgttcc atagtccctg tatctcttgt tgcactcctt 420
ctcttt 426
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<210> 35450

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35450

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ttcgctaagc gcaccatttc atctcactaa gtgcaccact tcagtccatc cgtaagcgga 180
gaaaggcacg cgctaagccg aaattcacta atgtgcacta agcgggtccag aattgtgcta 240
agcacacgag cacgaacaag gccacttatt taagcctgaa atcagatttt aaagggggag 300
tttgaactgg gattcagaga ttntcatgtc ttgagattct agagagagaa aggtccaagt 360
tccagagagt tntgagagat tatgttggtg gaagaatggc agacaccata gctggaagca 420
cgagccgatt tgagagctcg agatgagttt gtgagtgatt gtgagttcct a 471
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<210> 35451

<211> 376

<212> DNA

<213> Glycine max

<400> 35451

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 atatattacg ggactcaatc atacatccga gtaaaacgct attgtcgttt gaattcgctc 180
 agagcttcgg tctttaatat tgagcgtctc gacatatgtc tggacttatc tccacttccg 240
 agtaaaaagc tatttgggtt tgaatttggc cagaacttcc ggattcaaatt tgcgagcgga 300
 cgatttatta cgggacttaa tctcacatcc gaatcaaaat tattgacgtc tgatttgcca 360
 gaacttcggt attcat 376

<210> 35452
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35452

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 atcgagaagc tcgaaatgga ataccaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcgggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt tttactcgga agtcggattg agtcccgtta 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttatactca tatgtcggat agagtcccgat aatatatcga gacgctcgaa atggaataacc 360
 gaagctctga gcaaattcac acgacaataa ctttatactc ggatg 405

<210> 35453
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35453

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 actataatgt ggaaaatatt taaaaattca tgtggacatc catggaagag ccagaagatt 180
 cttcagtcga atgatttctc atgtactatt tattctcaaa ggaagtgggt aattacacta 240

tcaccaagaa aaattggaaa tgagtctatt ttatTTTTtag aacggatata atgtgatatt 300
tgtggatcaa tatattcacc atatggatca tttagatatt tcatgatgca tcaacta 357

<210> 35454
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35454

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ccaggagtgg ctccgtttgc tttctgtctc tttttctcga agctcgtggc ttacactntt 120
ctgtactggg tgcccttcta cataaggcac acaggtaatc attattatta tattacatga 180
aaaattatga tatatataga gttgcattgc cttttatcta acatcagcat gttattcata 240
tgcaagaat ttattactag tgtcttcata ttcctgatat attgtctcaa gggtttgtca 300
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gaatctgtgt gacaggtatt gcatggcggg ttattagcat gtatgggtgca atttgaatct 420
ggagaaataa ttgtatatth tcacaagctc tctcagcta 459

<210> 35455
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35455

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gaacaattag tgggtgctatg aacagctcta ttgtaagcaa attcaacatg gggtaaacaa 180
gcttcccaag tttttaagtt cttcctcaaa actgtcctaa gcaaagttcc caaagtecta 240
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ntgcccaact tgctccacaa agacctccaa aaatggctta cgaacttaga gtccctatca 360
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acatgggaa 429

<210> 35456
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35456

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 aagaaagggt tccggaacaa acgaaatcaa agcttctacc aaggggagat ggaccatttc 180
 aagtgcttga aagaatcaat gacaatgctt acaaagttga gctgcccggg gagtataatg 240
 ttagttccac cttcaatgtc tctgatttat ctctttttga tgcagatgga gaatccgatt 300
 tgaggacaaa ttcttctcaa gagggagaga atgatgacga catgttcaag agcaatggca 360
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 agctcttcac aagtgtgtgc atactattt 449

<210> 35457
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 35457

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 taggccgggc ttggattcat tctgttgggg tggttccgtc aacactgcac cagaagctaa 180
 aatttgccgc ggaggacat ttgattatag ctccgagaga ataagacata cttgctagtt 240
 gtccatcttc aatgccttat gtagaggctg cagaggaatc attggaaaca tcctttgaag 300
 cattagaagt tgtgagcaat gcttacgtag agtctcctcc actgcagccg tgctcatcta 360
 gtgcactttg atagttgtc aagtgtgtt agggcaccga tattat 406

<210> 35458
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35458

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 taatcttgga actcantggt cttgctgctt ataacctcaa actgactgat ggtgcatgta 120
 atcaccatcg tttctattag attcttgctc aaactgtgtc attattccac caaggaggac 180
 ctgattgtgc cctagccttt accagttacc accaettggc aacaaccctt caatactcct 240
 ttagtgactt tgagcactca ttacgatcct gacttctctg acttcgagct gtaagtgttg 300
 gtccatcggc agggatcatc actcgttgat acttaatggc aagactggca ctatcataaa 360
 tacacctatc accttggtgca caagtgactt tgcacattcc gcaagctgag atgacgacct 420
 tatcctgcat tagataggat catctctggc ccttagacta atctacgcgc gcatactctt 480
 aattttccgc aaaacgac 498

<210> 35459
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35459

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 aaagagttgg gaagaaggag acaaacacac aagagttttt atactgggtc agcaacaacc 180
 cgtgcctaca tccagttccc aagtgcctg cggctcttga gatttctttt caaccttgta 240
 aaaatccttt tacaagcaaa gatccacaag ggatgtacct tcccttggtc tctttgaaca 300
 acctagtgga tgtaccctcc actagaactg atccacaaga gatgtaccct ctcttggtct 360
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 gt 422

<210> 35460
 <211> 485
 <212> DNA
 <213> Glycine max
 <400> 35460

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caatgaaagc accaagttgt tgtgaccctg cacttagcct agaattcgag gttctagggc 120
ctccacaaga atatgagggg aaaggaaatt gtttgtatta ttcactcccc atcagaatta 180
cataatctcc tatttataag cttttcatat aaattctaga atgaaataga agatacaatt 240
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agagaatcct ttctaacggg ccaggatctt tggagaaatg cttctagatg gtggtgacct 360
ggctcttgat gcttactatg attattttgc aacataatcc tccaagtatc tcaggttaat 420
acctctttct tttccttaca taacttctgc attgtaccct gatgcttctc tgtgcatatc 480
aaata 485

<210> 35461
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35461

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gatagacgtc aagaatgtca tcattacatt gaagcatggg tgaaggattc gcaacggcaa 120
ttgtacttac gagcttactt gaattagtaa gttaaaatta tgtagtacat tctaaaaata 180
tttgcattat aagtacctaa ttataattgt caactttagg gcacattggc aacttgttgt 240
tctgtgtcca cgggataata ttggtgtttg gttttgttct ttgtgaaaga agcctgatat 300
taacatcaaa gttgcaatta acaagtcttt taataattta taattgattt agcgtataac 360
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<210> 35462
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35462

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ctaanagggg tacctctttt gataaccatc ttttggcttc cattttttaa atgattattt 120
tactcttcaa aacttacatt tttttattca tgtaaccacc catgttatat aaattgttca 180

ttgaagtact tactttatgt aaattgtttg ctttcttcaa gacacaataa ctacctatat 240
 tttcattttt ttatgaatga agccacaaca aatgttctac actgtaattt gtagtaagtt 300
 gtggcacaac aaggtagaat ggcagcggca taggcaaact gtgacagtgc ggagatggac 360
 aacgcatagt cctattgtag gagcctcaag gagaattacg agaatatgtg aataaatatt 420
 gtcttttacag tt 432

<210> 35463
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35463

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 ttatccgcac ctctcattc ggagacccca agttcgatga cacgcagaga ccaatgtggt 180
 aatctgcacc ctttctcgag atgtcagcgt cttccggtcg agacaatttt agtctcacat 240
 ttttgcatac tggcgaccta agagttcggg ggcttgcaga gaaaccttac gggtatttagc 300
 acctcgteat tcggagaccc cgagtctaata gacacgtaga gaccaatgtg gtcacatgca 360
 ctctttccgg agctgtcagc atctttcggc cgagacta 398

<210> 35464
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 35464

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 tcagtcactt atggtagccg ccgatgatcc cggtactgct tcccctaagc tctctgtgct 120
 ttcttcacac cgcacacct gccttgcgaa ctcttggag tacctttgca tttgggtcac 180
 tgaaacctcg tgtcatgaaa ggcgtgatgc tttcgtctaa tggcgctcct ctcatggggt 240
 agccaagctg tctcatggcg aggacggtat tataattaat acaacctctt gttccatcaa 300
 gggaacattt ggacatcctt cgcatagaaga tagaatcctg aatcttcctt ccttctagcg 360
 aggaaccaa ataacaaacg cctctctatg 390

<210> 35465
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35465

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 atagatcgac ctgcagcatg caagctagtt ctaattctac ctaactcgcc aagctatcgg 180
 gaggaacttt gtgactctta ctacctacaa actccttttc tctttattaa gtacagctct 240
 gatcgaagat aaccctcact aaactggccc ttatcatatg cttctgagaa gatattaaag 300
 tcacgtcact atcatctcta tgactcttca cgggagcaac tgatcaaggc acacaatgcc 360
 cagctctttt cacaaggaca gttatttatt atgacatgga ctaactgata ctccgcatcg 420
 acaacgaaca caaatctagg acgaggtcac tataccactt gtagtacata gagatctgct 480
 ggagaaacct tggataataa ctaagttact cttaacacag caagcccaga tgatattcat 540
 tggcacttct caagataacg cggacacc 568

<210> 35466
 <211> 242
 <212> DNA
 <213> Glycine max
 <400> 35466

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 acctatggat atgagacctc ttgctgtgaa aggggttgca gatatggatg cagaccatga 120
 actgcttctt gctggaatga tctttggcta accaaagaaa ctcatgtaca tgatcatgct 180
 gatgctatat gacgcaatgc ttaaattccat atacacgcct acacatacag tgcaaaatat 240
 at 242

<210> 35467
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35467

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ccaaataaat aataaagtca tctcgactca cagaaaatca tataagtctc atacaattaa 120
tatagaacct atatccta atgtcacatcct atcagagcgt ggtgtttcca tgtcctctag 180
cacgaggatc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 240
catcacagga tccaaacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
gagaaacacg acaattaaat atacatatta tataaatgag ataccacttg cttaaata 360
gtcacgtaa cttcaccact tcatcattca naattcactt tgcaattatc aatcacatta 420
cacaag 426

<210> 35468
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35468

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ccaatgttga tacagaataa cagcgatact cattntaata tacagagagg gacatgctat 120
gatacggcaa tgatataaga gaatatggca aattgcaact tataaattaa tttaaaatta 180
agtttaata tcatgcactc acaagtttaa tgggtcaatca atcataaatc tttattaata 240
tataactttt aaggtataat ctattttctc tttaaaatta atttatttcc tttttaaaaa 300
taaattagaa taaaagtcca gattataaga gaattcatat tctagaaatg aacataagtc 360
aatatataca taaaatgtt aaaacttata taattagat gagattctaa tttatatttg 420
gatacaagtt aanaaagtat acgtagaaaa ttatgacaat aacataacag tatccata 478

<210> 35469
<211> 423
<212> DNA
<213> Glycine max

<400> 35469

agctttaatg tccctctggg ctttacacca ttgttttata gtgtatctca agttcctcaa 60

<210> 35472
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 35472

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 ttgaatttct cgagagcttc ctatgtttta ttttgagcgt ctcgatatat tatacgacctg 120
 aatcgaacct cagtgtgaaa agttatgacc atttgaattt ctgtagagca tccgttggtc 180
 attttcgagc gtctctatat gtgatgaacc ttaatcggac ctccgtgtga aaagttatga 240
 ccatttgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgac atattatgcg 300
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 gttcaatttc gagcgtctcg acatatgatg cgcccgaatc g 401

<210> 35473
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 35473

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 cgagccctct tgggctgttg ttccaaggct ttggctgttg ctatatttat atctctcaga 120
 tcggcattct cctttcggat tctcagagat gctgatttga acctttcttt gactgtttgg 180
 gcttgctcga gttctgccct aagggcctgc acctcttcgt ctttcttcgg tgcctcaact 240
 tcctcccttt tagcggttct catactcagg agccaatcca attcttgac gtgggctttc 300
 aaccacttac cgtagccact gatgggcccc ttgttaccgc cctgacgtc tttgtccctc 360
 ttttgcacca cctcccatgc cttgc 385

<210> 35474
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35474

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 tcccattggt aatggagtgg gttaccatta ttggaaaacc cgcattgcaa tcttcataga 120
 ggctatagat ttaaactatt gggaagccat agaaataagg ctttgtattc ccaccatggg 180
 tgctggaaat acaacaatag agaagcctaa ggaagattgg agtgaggaag aaagaagact 240
 agtacaatat aacttaaaat ccaaaaacat aattacatat gccctaggaa tgaatgaata 300
 ctttagggta tcaaaactata aaaatgcaaa gggatatgtg gataccctac aagtaacaca 360
 tgaaggcaca acanattgta aaagattctg gataaacaca ttaactctg aatatgaact 420
 atntangatg aatgcanatg anagtatgca agacatgcan aagaggttca cacacat 477

<210> 35475
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 35475

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 gcacaataag ttttccacat ccacaatgag cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag ctcatatcct cgtttctctc aacaccaggg 180
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattct cacagcacia 240
 gctatcacag ctaagcaaaa cagggcacaag gcagaaaact ctgccccaaa caccaaccaa 300
 aatcacagct gttcacatac aaatacccca gaaacatttc cttcggtcca attcggtaac 360
 cgggtggatcg actcgaaaat attactggaa gtctctagta cttaagccta ca 412

<210> 35476
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35476

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 aagttgtaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120
 aatggaagct ctagagaaat tctaattggc ataaattctc acacggaggg cctattcagg 180
 cgcttaatat atccagacgc tcgaaattga acaatggaag ctctcgagat attcaaattg 240

tcataacttt tcaactcggat gtccgattca ggcgtatcac atatccagac gctcgttaatt 300
gattagcgga agctctagag aaattcaaact ggtcataact ttccacacgg aggtcctatt 360
caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaacttaa 420
atggccataa gttttaactc ggatgtccga ttcaagcgaa tcatatatca a 471

<210> 35477
<211> 432
<212> DNA
<213> Glycine max
<400> 35477

agcttataga gaataaagat aagggtattg aataagctta taaccatgtc ccaagagatg 60
cattgtggac gactctggag aaaaaaggcg tggcactatt tttttttttg ctccagcaaaa 120
atataatata tatatatata tatatagact agtaccagtg gtactgaaat tacataggaa 180
tagaagtga tccagctatt ccaaaaaatt gagaaagagc tggagacaca aaaatgtgtt 240
acaagaatcc acccacaccc gcccccccta aatacagaat ccttccttca gattggagga 300
ccattgggta aagcgtatag cgaaatcctt gtccattgct ctgttccaag accatagtag 360
gagtaaagca tcgtcgagca gcttacaacc atgataagtt ccatttttga acaccacctt 420
atttctatgc tg 432

<210> 35478
<211> 629
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35478

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gnacacactg ttatcacacc nncatccctc agcncgnngn cctttgatgg tagcaatcca 120
tcngatnncg ngcaannann aacctcgoga cctgnctgaa tctatgtctc tattgacgag 180
gttatcta ttttaggct gaaaagagat tgacgagaga gatgaagaga cgaacacaca 240
ctgtgctatt tggaacgata gtacaatctt ggacacacaat attatgtgca aacagcatgt 300
gcactccata gtccattgat aatacctgat ttatcgatga caatcatggc aaatgcactt 360

ggacctattg atgcacctgc cataaagaat ttccaccttg acatgaatgt caccagcatc 420
 tttatgtatg aaataatata ttaacatact tattctgttt actctgaata tgattcttat 480
 gtattgtggg tgtgcctaaa tctaactcag gatagcatat cgatcgatac tggatgcaag 540
 aatcacacgt caactctctg ttaatgactc cttcggtcac agcatatgat gtatgcaggc 600
 atcataagag tcacaccttt taatatton 629

<210> 35479
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35479

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 ctgcattccc acagaagata caacacatga agtgaactac atggggaacc agccaagacc 180
 aaactttaat gcaggtggat attctggatt ttcacaaggc cagcaatata ataagcaaca 240
 gggacaatgg agaacgcacc ctggtaatca gttcaataaa gactaggggt ggccacctaa 300
 caggccacaa caacaagggc ctagtctcta tgatagaaca acanagctgg aagagactct 360
 tgctcagttc attcaagtat ccatgtccaa tcanaagagc acaaagtcaa ccaactcgaa 420
 gctttaactg aa 432

<210> 35480
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35480

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 taatctcttg agcctatgta ctatgagaat gacctcatct gcgaatctac ttctatgcac 180
 ctatgcccta tactatatgg acccaatatg gcgtgcacta gtactgggtc aataagatga 240
 caggatgtct tattatgagc tggctctgac gcgtcactta tgacgcatgg cctcaggcat 300
 gacatctttg tgagctagtg gtgctctggc atgtcaagat gtcaccccta catcaaagtt 360

gt 362

<210> 35481
<211> 370
<212> DNA
<213> Glycine max

<400> 35481

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tcatattcgc tatcactcac ctttcgatgc gggaatatct cactttctctg atgacaatgg 120
ctttaaggag ttagcccaact tcttctctga tcagtcttca tcattcttca cccttcttta 180
tcttcttttg tgataccggt ttcttactag ggactaatga caaacctgtg gcacataatg 240
ctacggagag attcccacat gccagaagga cgcacagcac acagcgtctg tctcctgcgt 300
acacatcata tatgccactg cgctcatgtc tatcgaaatc cctattgagc tgactacact 360
actcatgcta 370

<210> 35482
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35482

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gttttaaaaa ataattaact aattaaatta ttttattcca gtatactatt taaatataaa 120
aataaagaaa attaattaat taattaaaat attttaaaaa taaaagtaat taatttttgt 180
tatattttta attcttttga aactgtaaaa ttcttagact acaaacacct aagacaaaga 240
gaaaagacaa ccgacaaatg ctctaagtct tatccctaaa atcactgaat gaacggagtt 300
gcctgtccat tggtgtttta ttgacttaca actggcatac actcttgcac gtaaaacctc 360
tattatcatc tctgtaattg gacttaacct ctgagagttc tagtgaatat ntatgcaatg 420
cttaagatc 429

<210> 35483
<211> 243
<212> DNA

<213> Glycine max

<400> 35483

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ttcttgcgat cgactcagaa acatcatatt acatattaca aagactaatt ctagatcata 120
tttaattata catgagaata atttctatca tacgatacta agttaacttc ttctagtact 180
ggaccccatc tctattctta tctactctat taataatata ctatcttata cacactatta 240
ctt 243

<210> 35484

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35484

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tttgtttcct tgatattgcc atgcatatct ttgcaatgtc atgtttgtgt gtgtctgttg 120
tgttattatt caatggcatt accatgcttg ttcatctagt atatttatgt tttgtgctat 180
caactgcatg ctcttgcgca tgtatatcta tattgcgtcg tcacttatgc gttgcatttg 240
tctcgtcatt ttgtcacggg aagttggaag gtccggatca ccttcttaaa tgcatacatg 300
gggcactatg gtaatgactg canatgaacc atgatgctcg aatgtttgtg agtaagaaga 360
gatgatcttc cgagctcttg tgtttgaaaa tgcatttgtg tcatgcatgg cataagcatt 420
ccttca 426

<210> 35485

<211> 410

<212> DNA

<213> Glycine max

<400> 35485

ctcgcattct agacaaacca atattgatgt agcaccaacc tcattacaag ccaataaaaag 60
tccttctgat tccatttgtg tatttctgac tttatggcat gagatgaacc acaaagattg 120
ctcctcttgt tagatgatat cgctaaatag tttatacact cgtgcatgag tgatacacga 180
gccgtgagaa ttgggctaag catcattcta tcatacccta gtaacgtctg gagaccattg 240

<211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35488

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agatgatggg acagcgggtg aaccagaagc ggaagtttct tttggtgagg tagccatgga 120
aaagcagagc gtttggaatg atttcgtaaa tttcagaagg ctattgggaa atgctggtaa 180
aaacacgaat gccaaagcaga tataaatttg aatgaggaat gtataggggc gtgtgaagca 240
acgggtcgaat tttccttggt tcagtagtga acgtgctatt aatgttaagt gattcgtttg 300
ggcacgttca gattgctgta gttgctataa ttnccttagc acacaaatgc ccagcttgcc 360
cctcagttnt tcaaactgat ttgcatcaa agcctttgtg aacatatctg ctatttgttc 420
ctcag 425
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<210> 35489
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35489

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tcgtgcaaaa ggcatttgaa atggtaacat cttttaatat tttatattca ttttcttata 120
agttatataa taataacgag ttttttattt tgtgattggt tttatatgat atatgaaagt 180
ttggtgaaat ttatataaag gcatcatgca ttagattata ttatttaatt tgtcttttac 240
tatatttaat tttaatagaa agaagattca aaatatggta aatggccata tgctctggaa 300
gtttggaagg ccacacacat gagatctaag ggaacttggt gcattccaaa aggagaagaa 360
atcatggtaa agaanaaatt cattttanag tcttggtgtc aatattagaa ttaaagacat 420
taattggatt atgatatcat atc 443
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<210> 35490
 <211> 424
 <212> DNA
 <213> Glycine max

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ggcgtattct ttgaaagatc cgtgCCCCct tTTTTtgca catatTTTgt agttgcatcc 180
tatccaaagc cattatactg acactgccta acgaaggaaa ccattatgtc cttccaatca 240
tgggctcggg aaggTtccaa gttagtgtac caggtaacag ctacCCCCag taagactTtc 300
ttggaaggaa tgtatcagca atttctcatc ttttgcgTat gCCCCcatc ttctgacaat 360
acatcttttag atggTtctcg gggcaagtag tccccTtgta cttgtcanag tccaacacct 420
tgaac 425

<210> 35493
<211> 412
<212> DNA
<213> Glycine max

<400> 35493
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gctacatgta gctgcctcgg taaaaacgct gccagtcta cgttaaccgt tggatcttct 120
cataatttgg ttTgcaactt cacaagatac tttaccatga tctgacagtt gggatctTtg 180
tgaacatttc tggagtgtgc gcgacgtTtt cgttcccgag agcattgctc acttgtgcgt 240
tttgagcctt gtagaccaag tagcttatga ataatgccat ttcttctcct ttctttcttc 300
caaaaccatt ttcagcgTtc catgctgttt ctccgtcacc catagccacc agtagccacc 360
acaaaccacc attgttcttc gttgaaaccc cacaccgaga ggaacccttc aa 412

<210> 35494
<211> 407
<212> DNA
<213> Glycine max

<400> 35494
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aattatacat gaccctaaat ggagatgatg gcggatacaa aactttatct tgactgagat 120
taaggatgga gacgaacatg agagtgggga acgacatgca catctctgcc ttgtcccgta 180
gtcatgccta ttcataataa tcacttatat atctttTtTgt taaataatta tagattTtga 240

tatgcttaag acacctttta ctctgttaat tatcttctat cttaatttca ttgagtggaa 300
 tggggatggg aacaacatac ccatccctgc cttattccgt tgtcatgcct attcacaatg 360
 atcactaata cattgtttta ttttaaataa ttacagactt tgattag 407

<210> 35495
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 35495

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 acccttaagg aatcttggag ctttgggaatt gttttgggaa taagctggga ataagtgtgg 180
 ggggtatggt tcattggaag atatgatttt tggccatgct taatgtttta ttttggccat 240
 gcttgatgta tatatatatt gcctagtctt ttctttaatc ttcaattctg tactgttcaa 300
 taaaaaagaa ttcagttgct acaaattctg caatttcgta ctcttcatca aaagaagaag 360
 aagaagaata agacgacgac tataagtgat gttgaataaa taagggcttg atatgagaac 420
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<210> 35496
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35496

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 ccacgcttan aaagggctca ctgacctccc tgagcgagta attgaagttt cgctcagtgc 120
 caaacttgcg ctaagcctgg aaggtgacaa atgactcgct gagcgagctg atgatgcact 180
 tagcgcatgc ctgcgtgaca aatttccttc caaattcctc ctatctgcta agcacgttga 240
 tgctcactt atcggtgac actcgctaaa cacattgagc tcgcttaacg agacatcaac 300
 tttatcattt cttcaaaata actccttttt gcttgagatt gaagagaaac tgacattaat 360
 atcatacaca aagcttctac tgagcacaga taataacaaa gccaaattta ttactattc 420
 tac 423

<210> 35497
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 35497

gtgaaagagc atggcgtatc catcacatgt ggtactaggt ttcggtcggg cgatgggtgca 60
 agccaactct ccacatccac agatcacaca taaaccacc atcctcagtt gccacacttc 120
 actgagctca catactccta cgtagccctt agcctcgttc ctctcaacac tgagtcccca 180
 tcagatctct ccaagcttcc acaacatcca agcaattcaa catcccaaac atcatgaact 240
 atcataacca ttgaaaacag ggcagaggca gataactctg cccaacacaa accaatatca 300
 caacttttct cacttaacaa cccagtaac attctcctcg ttccaattcg ttaaccgttg 360
 gatcgactcg aagatattac tggaagtctc tagcacataa gtctacattg tgaccgatgg 420
 gatctgctat atgacgtcca gaacacaatc tgtactactc 460

<210> 35498
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 35498

agcttccctg tggcttctct gagaagctat ctcaagaagc ttctttgaga agctatatac 60
 ttatctagcc acacccttct attaactaaa ttaacctgct tgaaaataat tgcggatgaa 120
 aaataacata acagataatc caacatctaa catagttact aatatatata tatatatata 180
 tatcacggcg ttacacgccc atgtggtgct atcggaggaa cctctaattc tcaaaactgg 240
 tcactatttc tctccaatac cacaagcttg ttccatcaaa cgcacggaat cgaattcgcg 300
 cgtggtctac tattgagcga cctgaatcaa gagtatatat at 342

<210> 35499
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35499

ttctcagaat actgatagt cctccctaaa ttcaatacca agatcaatga caccttttaa 60
 accattttta ctgaattctg cattgtctct ctgcatcata gacacatatt cattgttgtc 120
 tattcagcca tcctaaaagg gtaaaacatg aaaacaacaa catcataaat ctattntaac 180
 ataaataaga gcttatgaag gccacttatg acctatcacc taatacgagc ataaaaattc 240
 tgaatagaaa agaaagcatt gtttataatg ttggttactt ttcaatcata attctcaatc 300
 tgattagaac aagggttact tctacataat taccgccatc gatgt 345

<210> 35500
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35500

agctntntgg aagtgggaga tgtagaaaag aatgaatagt gaactgaatg gaagggggca 60
 cccacacgaa attttgagag ttggtcttgg gttatgcctt taggggttgaa attgggtcgg 120
 agacaggatg aggatgcgat tgcagcttct cttctacgat cctcttcttc cttttccatt 180
 gtctctttga tgttcacttt catctccttg catatggttt catcattggc tgttatattt 240
 tggagatctt ccctggcttc tcttaactac gtagtcattt ggtaatcgga atatgcatta 300
 ttgattcttc aatccccac cc 322

<210> 35501
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35501

tcccaatgaa aactgtatt gtacatngac tgaatgaaac ttgataatta tatatgttat 60
 agtgacctct tcaatattgt tatctatatt tattttotca cattctattt tatcacgcac 120
 taaaaatatt gtatcctaaa ataataatta acattttttt catattntta ttttctagct 180
 ttaattgatg tcaatacttt tcaccacagg ataaatacat atcaatacac atgagtcctt 240
 aacaagttaa acgatcttta tattgaccca agcctaattg atacaaggat aagtttacca 300
 acttttccag cacatgagan aggaagaaga ggaatgcttg gatcctgaac ccattgaaga 360

aaaggtgaga gaggctgata acggagagag aaaatgatcc

400

<210> 35502
<211> 429
<212> DNA
<213> Glycine max

<400> 35502

agcttatatc aaccacgacc aactgtccac gtcaacacta gtactggtag aggatctggc 60
ccacataaag aaaaattcca tagttacttg ggggtagtgg cgcgggagaa aatccctatt 120
gttcatgcta cttggaaaga tgtccccgaa acttttaaag ttattgtatg ggatgacatt 180
ttggtaagtc cactcaactg gtaacgagtt tacttttgtg tatatttaat gcctgtggaa 240
atgtgggttta tgcagttact gattgaaaag tatttattat tttaggccaa atttgatatt 300
cctgaagggtt taactgcgaa gaagaagggtt atgtccacgg ttgcaacaag atggaggcaa 360
tttaagtcct ccctgacctc cagatatcta tacactgaca aagacgatca acaaaacatt 420
gatccatct 429

<210> 35503
<211> 358
<212> DNA
<213> Glycine max

<400> 35503

atgatgttcg tgttgaacgc attacatgta gacataccac atgctttata ttatgtgcat 60
acagagctac atacatcttg gaaacgatac atacggacat ttgtgggcca tatcatagcg 120
cttcatggaa tgggtcaaca tattctatat cattcataaa cgattactcc agatgtgcat 180
acttgattga tatacatgag aagtcacaat ctctggatgc gttcaaaaca ttgaaagtcg 240
acgtggaaca tcaactcaac ctttgaatgc actgtgtcag atctaaccgt ggtgggtgaat 300
actatgtcag atatgactgt tcaggtgaac aacgtccaga gcctatcgtc acgtacct 358

<210> 35504
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35504

agctntggag tttccaagt ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60
 caatccatca gtgggctttc cttctgagtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccagaattgg tggctgttc actggctctc cttctttctc 240
 catgttcac cagaatttat tccctaggtc tcaactcagt atttcgagtg cccgctctga 300
 taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360
 tcagaacaag cagattatct ctgagtgtat gaacagatta tacaagtaaa taacacaaga 420
 gaatt 425

<210> 35505
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35505

tgctgtccg atgcagcagt aatgatggcc cgagttagt tgtggatctg gttactaacc 60
 cggaatgggt ttaggcagag acaacggctg cataactagc ctgatanatg ccaaaggaaa 120
 tcgtgggaag tatgtgctat gctataagcc cactcacgca gatgtaaaga gaatcatcgc 180
 gggaaggaac ggcggaggtc aaagctcgcg ggtgacacta gaaagagaag gaagcccgtc 240
 ctgccacata agtataagct gtattagcgc gagtct 276

<210> 35506
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35506

agcttgtggc tgcattcaga ggtttccaga atatgtcaag agaagctgat cgaacgtacg 60
 taggctagta gcaacgaaag tgaaaaatcg tgaattaaaa tatgataatt tcaacgacgg 120
 tgatgggtat aaaccgtagt agtcttgcta caaacaaca cggttcttat aaaatcgctt 180
 ttgtagcatt cacatcaaag gcgattttat aaaaaccgtc aaacaccttc ataaagttga 240
 ttaaaatttc aaaaatatca caaaatcgat gtagatttaa cgatgtagat tggtttatttt 300

gtagtagtgt atctagccta taatttgtaa tctcgggggtt attgtgattt gatgaccgct 360
tgtataaaaa tactatcttc ttttattata ttacgaatgt tattgncatg tacgt 415

<210> 35507
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35507

ngagagagat ctcaagaacc ggagggttgct tagggactgg atgtatttac tggttggtgc 60
cgaaccagta taaaattctt gtgttggttct tcttcttcca tacactattt aatttcggtt 120
gtgtacttta cttttatgct atacttttgt ttaagttaca taacttagta gtaaagccta 180
attgaatcta gtaacattaa gaaggatcag ttttaattag tcaaggttac ttaataatta 240
attcaacccc cctattctca attactccaa ggccacttga tccaacacat tgtaccctga 300
gcaactgccg gatagttctt ctctcttttc ttttcttttc ttaagagctg aatgtaatcc 360
atgtaccctt atgggtcctc tctgatatta tgtatgtatt catcttctca cctttatcat 420
tagtaattnc atttca 436

<210> 35508
<211> 423
<212> DNA
<213> Glycine max

<400> 35508

agcttgaagg taaactagat gccttggtta acctggtaac ccaactggcc atgaataaaa 60
aatctgcacc tgtcaccaga ctctgtggtt tatgctcctc tgccgaccac cacacagacc 120
tttgccctta tgtgcaacaa tctgaagcaa ttgaatagcc tgaagcttat gctgcaaaca 180
tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagAAC aattatgacc 240
tctccagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcgaatc 300
cttcacaaca gcaacaacaa caaccttatt ttcagaatgt tgctagccca agcagaccat 360
acgttcctcc accaatccaa caacaacaac aacaacaaca acaacagcaa cagccctaga 420
aac 423

<210> 35509
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35509

tcttgcgtag ccgctctcgg tgctcangaa atgccatgaa catatccatc ttattactag 60
 ctactatgaa ttcttttagat cctgaatgta caaccttcac atgatgctcg ctccccctctt 120
 tgatgtctgc accatagaaa atcattatca gcgaactcat ggatgaagtc ctaatgatgc 180
 catgtacatg tgcatactcg aacatatagt gtatatattc catccatcat acattgtctg 240
 gagcttacct ggatagactc taacgtcacg catacccaca cccgaatcag aatccatgta 300
 aaagctatac cattcaattt ctcagagctt cgttgtaaat ctgagcgctc cacatatatg 360
 ccccgatcgg actcctgg 378

<210> 35510
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35510

atcttatttt agctanaaga gatgttgcat aaactgcttg gagtctatta cattgcgctc 60
 gaactatggt tttgcttcta tagttaacca gctatatatc agatgcattt ataagacatg 120
 cgaaacttac atcagtgttg cacatccctg ttattatata attcatagac atattctacc 180
 aagagtaaaa atgcatatac cagcatcaaa gttttacatt tcataacctt ctcatctaatt 240
 gcttgccatg cctcactg 258

<210> 35511
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35511

cttanaaggc acattggcca ttggtaatcg attacatctt ctgtgtaatc gattaccaga 60
 gagtaaaaact ctctaaaaac attntaaatt aaatcctttc gccatacctt ntgttggttc 120

aacttgggaat tttcttccta agactctggg aattatcttg atcatatttc ttgaatttct 180
 tggatatcta ggattcttgt cttgaataaa acttgagaag cgcgttcctt tggcatcatc 240
 aaaacatcaa aatatctttg cttctacaat gtcttcagtc atttacactt tcagaagact 300
 acaatgtctt catttacatt tgagagactt tcatgtcttc agtatttacg ctttaaaaga 360
 ctacatttct tcatatatt 379

<210> 35512
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 35512
 agcttcatgc ttaactatgt atggaaaaac ttcattacta ttgttcaaga catacaagtg 60
 agcttgtaac aaattgatgc aatcctaccc cgcaaggggc atgtgtacaa aactcccagt 120
 gtaatggacc atatatgcta tataacgccc tacgggtttt atgagcctta tggatatatt 180
 taggcgcgtg tgctaagttc aagcccagtt atgttt 216

<210> 35513
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 35513
 ggctgtctg atgcagcagt aatgatggcc cgagttagtg tgggaaacga ttacgaaccc 60
 ggaatgggtt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
 cgtgggaagt atggtttagg ctataaaccc actcaggcgg atataaagag gagcatcgca 180
 gaaagaaaga gcggtggtca aagctcgcgg ttgaggcaag aaagtgaagg aagccgcct 240
 tgccacataa gtagaagctt tataggcgca ggtctgggaa acgaaggta agtggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttggtac gaccatgcc tctgatttc 360
 cagctgggaa attggcgagt ggaggaacgc cccggcattt acgcaacgag cataat 416

<210> 35514
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35514

agcttgaatg gtcattgacc cagataacta cgcgcaaacc tgagtcatca actcaggaat 60
ccccaaaacc aacaacaacc aaacagaccg tggctgacta tgcctgatca atacaaactc 120
tcttggccct agaagatata ggccctacca aaataccaaa attggccaaa aagacctgng 180
cagaaatggc ctgagaatca gatgatgatt ctgaaacaga tctgcaaaaa caaatccaaa 240
aggccaaata gaccaaagct gtctgcaatc aaaaatcaag ccaatcgttg actcaacaag 300
aatcaacacc acaaccaaac aacaattata tttcanaaaa caaaattttc aatgtttctac 360
aaatggaacc agaatactgt gacaagaatc ctttcaaat 399

<210> 35515
<211> 490
<212> DNA
<213> Glycine max

<400> 35515
tagcctgatt cagatcgaat tgaagatggc ttagcttata cttgtctagc ttagctgacc 60
aaatcagcct cagatgcaag ggttggggcg taagcacttg agactcgttg cttagcgcac 120
gatcaaagat gcgcttagcg cgaagctcac gcttagcgaa aggactattg atgtgccatt 180
atctttctct atcttctaac cttttttgca ccattttaaa taccgattag tcttaattgt 240
caaatttatt acgcagattt attatttggg ccatttcagc taattgatgt ttttaattcta 300
atttcaggaa ttaatgaagc attgggcttg aatctagaat tgggcttgga cttgaagaag 360
gcagactaat ttattctaca aaattagagc ttattctatc ttatccatat attatttaga 420
tgtgatctca tctagatatt atgtcatcta gatcttatct tatctagagt cgatttgatt 480
ttacttatgg 490

<210> 35516
<211> 408
<212> DNA
<213> Glycine max

<400> 35516
agcttggcat gaccacaaca tggatgggca ttactcgggc tatgggttgac aggttgtcta 60

gggtgagcat gatttatgtc tcttcaggta ctggaatatc ttatgtgaga ggtccctggg 120
 ttttaaccatt ttgacctttt tgaccgatag acaacacatt cgggatacat gtttcatttt 180
 actccaagtg agcatatggt atacacgtgt gtcatttggt tacacatggt gcttcacgaa 240
 aggacatgtc ttaaagacat gttacatggt ttgtgggaat tacatcatgg cacgggtttt 300
 cagagtgtca tttcagctcc cgccagttcc taaaagggtg tggccttctc tcttcattta 360
 aaaagactgc atattacgtt ttctttgtct tcaatcttga atattttcc 408

<210> 35517
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35517

ntgatgcaac atatggagag gttaatgaaa caacgagatg atgttctcca tgagaggctg 60
 gatcacatgg agaatataga tcataatgaa gaagacagga gtagaagagg gaatgatggt 120
 gttcctagac aaaactgaat tgatgatatt aaactcaaca ttctctccatt taaaggaaaag 180
 aatgatccag aggctactt ggagtgggag atgaatatag agcatgtttt ctcatgcaac 240
 aactatgagg aggaacaaaa ggtgaagctt gccgtcacgg agttttccga ctatgttctt 300
 gtgtggtgga acaagctaca taaggagaga gcaagatatg aagagccaat gtgtgataca 360
 tggatggaga tgaaaaagat catgatgaag cggtatgtgc cggctagtta ctcaagggac 420
 ttgaaattca a 431

<210> 35518
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35518

agcttttatat gattggctaa gattttgtta aaacataagc acttatacaa tgaaggaaaag 60
 ctggagttgc tgcacaagat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaagattca cgatgtcgga 180
 tacaatgtcc aggacatcct gcccgaaaat actggaattg ctaaaagcat tgatattgct 240

cgatccacga tgcgcgatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
 aaagcattga agttgcagga tccacaatgt cngatacgat gtccaggaca tcttgcccga 360
 caatactgga catataaatc tggtatatct ttaacagatt attgtgcagt tagcaagaga 420
 ttag 424

<210> 35519
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35519

tatangaagc atatcattac ttatatatag accatcagac caattcatga gaagacgata 60
 taaacggcac atcttatgat ggagactgag ataaaacaat ataccttgag ttcaatggag 120
 ttcactggag gcggaatgag gaataactgg gggggacgct tcattccatt cattaagcga 180
 taaaggcaca cgctagtccg aaattcacta atgttctctc agcggatcat aactgagcta 240
 tacacacgat cactatcatt gccgcttatt ttatcctgaa atcagatct 289

<210> 35520
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35520

aatagctggg aatctatggc taaattacaa gaggcctttt cgacttatca ccttgaggac 60
 aaggtgagta ctttatgcgg gggattatgat tagcataagc ataagccaca catcaccaat 120
 gtgtacaacc gccaacaccc ataggggtgca aaccacccag caattacaac ccacccaaag 180
 ggtgtaaacc acccaataan tatgcttcac ccaaaggggtg tcaagtcaga agaagtgaat 240
 catggggaca tgaccctttg gaac 264

<210> 35521
 <211> 278
 <212> DNA
 <213> Glycine max
 <400> 35521

agtggttatca catcttaaag gaatatgtcc taaatgcaat ataaagtcag aaagttattg 240
 attaagacac aagattttgtg cacaacaact tcacacaaca atgtactcag ccttatctgt 300
 aaacaaggca acacatgctc gattcttact attccatgaa accaggccat tacctaacaa 360
 ggggcaaata ctactagtgc ttctcctatc tagtgtaa at ctggaaaagt ttgaatctga 420
 gtattc 426

<210> 35524
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35524

agcttattgg gtctcataga atacttggag atcactagtc atcttcacta catgtttccc 60
 agaggtgctt ctatgaacgt ccagggtctta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35525
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 35525

taagtgattg tgctagatgg tgagggcgct actcttgaga gaggctcagc aggagtactc 60
 tgctacgtgg acaatatgga ggccacgaac ttactaaaag gggagaccct ggtgatacga 120
 tgagagagcc gaaattgacg cgattctcca aatgcatctg ttcctttacg ttcggtgtag 180
 cttgacagat gaacaatgaa ggatgctact gtaattaagg gctagctggc tcgacagaaa 240
 gttaagcaga aagtgtcatg tgaaagaaca cgcacaccct cgtatcatta tgcgcccata 300
 atcctgtatt tggcgagtta ctccatcttg cataagccat ggcgggaggc aacggacata 360

tggaatgaca tccatatgtg gtaactacct ccagcaggac atacttcgca tatgcgaccg 420

<210> 35526
<211> 386
<212> DNA
<213> Glycine max

<400> 35526

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttgaaaa agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaacc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35527
<211> 387
<212> DNA
<213> Glycine max

<400> 35527

agcttgcttc ttgatgaaat ggctataaat gcattaagga tctatatagt attacaaca 60
caaccaaca ctgtcgatgc gtactttgga agataggtaa catctcggca ttcataaagt 120
ctgtcgatct ttatttgga agatttgctc cctctccgac ttgggtaatg aaagcatggg 180
aaacaactca agatgaaacg atgactgctg gtgtgttgga tgctgtggat ttcaacacat 240
tcgggtgtgtt caacttgctt aatcattcta aaaccgaaac ctcttgaacc tttatgtctt 300
atattgtggc atgctatggt gaaatgggta tactataagt ttaatctgaa atcacaagat 360
gcaacctact tgtgaagtat cctaatac 387

<210> 35528
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35528

ttcatgactt atttatgagc tccttttatac ttgtggccag tttcaaatga acttaaaatg 60
 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatatac 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtgc caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctacagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacggggtt tctccatgtt ggatcatgtg gtt 413

<210> 35529
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 35529
 agccttacag aagtacaaa catttgcaact aagcatctgt cgtctgtcaa agatatacta 60
 gtatgtgcgg cgtctatggc tttcctttca aatagattgt tgcgctgatt tccataatca 120
 caatccattt gcagatccat ctcaattttt ccaccatcca atgtacaata attacgaaca 180
 cctcttgaac atgatgaata atctgtcttt agaacagata acgagtttga taagttaccc 240
 tcaccacaaa gttccatgtt gccttcttcc tgtctggatt ctgaacagca cactctttcc 300
 tctactacaa cacctttact atgatgetta ccagcaatat gcagcaaatg attttcattc 360
 tcaccagaga taacatcaag attcaaattcc 390

<210> 35530
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35530
 agcttgtccc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcatataag tcaaagagct gcggaggcaa gaaggtagca 120
 aatcatgccg ctgtgaccag tgtccgcaact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35531
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 35531

caccttctcg ctataccaat atgttggtc agcgagcatc cgctaagcgc aacggttatg 60
 ggctaagcgc aacactcatg ggctaagcgc gaggaagact ctggaagaag atgagatgta 120
 caggttcgct aaacgcacca cttcatctca ctaagcacac cgcttcagtc catccgctaa 180
 gcgagaaagg cacgcgctaa gccaaaattc actaatgtac gctaagccgg ccataattgc 240
 gctaagcaca tgagcacgaa caaagccacc tatttaagcc agacatcaga ttttgtgagg 300
 gagtttggac tgggattcag agctttgcat gtctagagat tctagagaga gaaaggtcca 360
 agctccagag agctcagaga gattttgctg tgtgaagatc ta 402

<210> 35532
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35532

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 tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaaggtg aggtagtgga gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35533
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35533

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tgtctaacta atcaatgaaa tgtcctatct atctcacgat caaacgggtg taagtcacat 120
 ggatcgctc tacgtataca ctatattcat caatgccaac tattcgtctt ttatccactc 180
 acaatgtagg ttgactaca gctaccattg aatgatatcc acatgactct gaaattctgc 240
 gagaaacctt atcaaagat gacgaaatag cacacaaaat ttcaaaccaa aattcaaagt 300
 ctaacta 307

<210> 35534
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35534

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 tcagtgcact aattggtaat gaggttcaac aggaatctcc acctacaggt acaattcaat 120
 cttcgcgatt tttttaaaat gttgtttcca attgttaca tggagttcgg aaattcttgc 180
 cattctagaa atgctactgt actttgagct caactttaat tgtacagatg aaatattaag 240
 gatcttacta aaattaatgt attttggctt taaaagatac taaaaagaaa agtatcaaa 300
 tgaaggaaca cgcacacgct nggtataatta tgtgcanatt atcttgTTTT tggcaagtaa 360
 tcgattcttg aaaaagctat gggtagaggc aatggaaata tggaatgata tccatatact 420
 tgaacaacat ccagcaggaa ttaatttgcc atatgcgatg c 461

<210> 35535
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35535

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaattgtga 60
 attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ccttcatttc aaccttggtg aatctgatga ttatgtgtct tggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300

tggggaattt ctcttgata atactctgaa gagtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35536
<211> 396
<212> DNA
<213> Glycine max

<400> 35536

agcttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag catttatctt tcttctggc tgtagatttt tacaggataa 240
tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35537
<211> 546
<212> DNA
<213> Glycine max

<400> 35537

ctccaccct cctcgctgt tttaggcgtc taccactata cacacgccac ggaatgatga 60
tctccgacgg acttaataac tgagctgcag cagcctgtct atacagcta ctgatgggtt 120
ctattatctc gaggaccggt tacgaaccg cgcttagttt atgccaatac aacggcagca 180
tagctagcct gataaattcc atacgatatc gcgggaagta tgggttatgc tatcagccca 240
ctcaggcaca tataaagaca ctcatcgccg caatgatcaa tggttgtcat agctcaccgc 300
tgacactaga aagcgaacga cccccctg ccataagta gacactttct caacgccggt 360
ctgggagacg aacgtcaagt ggctcgaata tactaagacg atgtcccgag tacattgggc 420
ttggtacgac cttgctcttc tgatgtccag cagtggaatc gcacactgga ggaacgaccc 480
cgccatctaa gcatcgagca tgatagggac ctctcacggt attaacaagc tctatcatgc 540
gggccg 546

<210> 35538
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35538

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatactttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttggg tagaacacat ttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35539
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35539

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aatggatct ttccaatcat ttgttcatga 240
 aaagtgaag tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35540
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 35540

ttgagttatc gaagaccaat tgctcagtct ttcttagcta gatgatgaag acgatgcatg 60

tacaatgttt agcatatata tatacatata tatatatata tatatctata tatatatata 120
tatatatata tattacttat tctcttgact atgtaacttt accaaacaga cacgatctca 180
ctgataagac aacagaaatt gttgagctca atatagaagc ctttgtcaca cacatgacac 240
aaggcttgag aggccatggt gtaatccatt cacatataga acatgatata tttgagttgt 300
gcgctgaatc tctatgtctc cttctacaca ttattgttac tttatgattg acaacacgag 360
agacatatcc tgcattctctt gacaccaagc cagagagtat cgacttgcac ctttcatgtg 420
cggt 424

<210> 35541
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35541

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
aagagattta attaatTTTT aacaattatg cagacatttt ttaaatgaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacgngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35542
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35542

agcttcaggc tgttcaattg cttcagattg ttgccagaa cggcaaaggt ctgtgtgggg 60
gtcggcagag gagcataaac catagagtct ggcgacaggt gcatattttt tattcatggc 120
cagttggggt accagggttaa ccaaggcatc tagtttacct tcaaacttct tagtctcacc 180
tgatgaagat gaattcgtgg ctacttcattg cactcttcta atgacaataa catcatttct 240

ggcactaaat tgctgggagt tggaagccat cttctcaatt aaatttctgg cttcaacagg 300
 ggtcatgtct ccaagggctn caccactggc agcatctatc atacttctct ccatgttggt 360
 gagtccttca taanaatatt ggaggagaag ctgctctgat atatggtggt gagggcaatt 420
 agcacataa 429

<210> 35543
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35543

agcatatcat gtttgtttta tatcagtctg acactcattc tatctttttt tagacaaagc 60
 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagtttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnetgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35544
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35544

aaatttgaat taaaacgtct agaaactgct ggtaatcgat taccatatat gtgtaatcga 60
 ttacacagtg caaatTTTga attcaaattc taatagttgc tgtaaattag ttctggccac 120
 tggtaatcga ttacatcctc tggtaattga ttaccacaga gtaaactctt tgaaaaagac 180
 tttttagctt aaatttcttg gccaaacctt ttgctacttc aattggaatt ctcttcctac 240
 ttaatatacc ctttctaaga ttctagagac tgtcttgatt atccatcttg aatatctttg 300
 atttctttgt cttgaataaa gctttgtgaa acatgtaatc ctttggcatc atcaaaacat 360
 caggttgatc ctttgtctac aaatcttgaa cttattctct tggctctttg catcatctnt 420

gtatcatcaa actccttgaa taatctt

447

<210> 35545
<211> 389
<212> DNA
<213> Glycine max

<400> 35545

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtccct tagttaatat cactttcatg ttttcagggc ctgagatgca tttcaggagg 120
cagaaatgga tctcaggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc attttgctaaa gatgactatt 240
aggttttcct gcacatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccctagaga atttgggtat 389

<210> 35546
<211> 433
<212> DNA
<213> Glycine max

<400> 35546

agctgatgga ataatcatag ttgcacaccc tatggatact gtttgggaac tgaagcctga 60
gatgaagtca tatgatctct cttaaattata gaacatcact acaaaggtaa tcgctaatat 120
ctctgttagc agtagctatt aatgccattt tttaaaagca cctattaatg gcattttaat 180
attttatgca agagaattcc aatccataat tggatctggg cttttcgttg ctagcgtaaa 240
tgacacaagg ttattaacta tgatgaagta aggataatcc tcgcatgaa taaatattcc 300
taggccacat gtctacataa tcatgattta atgccccaca atgaggacat aatgcgagca 360
aattagctcc cacaacatgc tctaagacat atacttgcct tcatcaacct tcttctcgcc 420
tatggctgaa aca 433

<210> 35547
<211> 384
<212> DNA
<213> Glycine max

<400> 35547

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 cttgtataag agatgttcaa taaatatttg ttaataatac actgcataat gtataaatgt 120
 gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtt tctatatccc cttactcctt 300
 gtccctttca agaaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
 acatgggtcta caacaggagt tggc 384

<210> 35548

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35548

agcttgttga cacgoggaga tntacgtcaa ctcttgtgct cacaagattt gtcatactga 60
 catttgagtc acgttgacgg gcggagatac cccagtgggt atccggataa acattctatt 120
 ttgctgtctg cacaacgaaa agcctgatag cacgcagaga ctaacgtcgc tttctgcgcc 180
 cttcgtcaat ctgoggacga caagaccgtt gacacgcaga gatctacgtc atttgccgcg 240
 ctcacaagat ctgtcatact gacatttgag tcatgctgac ggacggaaat acccaagtgg 300
 atattcgtat aaacattctt ttctcctgtc tgcaacacga gacgcctgat agcacgcaga 360
 gaccaacgtc gtcttccgcg cccttc 386

<210> 35549

<211> 396

<212> DNA

<213> Glycine max

<400> 35549

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata ttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35550
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 35550

agcttttggg tctcgtgag tttttggcta ttcacttttc tttcttgtga tgcccctgtg 60
 caggaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaaagtc ttccctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
 ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
 tgcaatttat atgaacagaa tca 383

<210> 35551
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 35551

agctcggaga ggatgcttca atggaggacc agatatatgg agtgaaagag agagggggga 60
 gcacgaactt gaaggaagaa aaggcagaga agttgaactt tgagttgtgt ctcaagac 120
 tctcattcat caaaggtaca acaagtgtta cacatacttc tatttataga ctaggtagct 180
 tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
 agaagctaga gcttagctac acacaccctt cttataacta agctcacctc cttgagaagc 300
 tctcttaaga agatctctat agaagctaga gtttagcttc acatacctct ctaataacta 360
 agcttagctc cttgagatga gaagctagag ctttagctaca cacccttat aatagctaag 420
 ctcaccaca tgacataata catgataatg acaaaa 456

<210> 35552
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35552

agcttattgg gtctcataga atacttggag atcactagtc atcttcaacta catgtttccc 60
 agagggtgctt ctatgaacgt ccagggtctta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35553
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35553

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 gtgatacctg gagatatgtc gcggggggtca cgagaccttg gtgacgtcag gtgggggtgct 120
 attgccc aaa accaagcttg accaatcccc acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctct tggcagtcaa ccgattaaag aacaaagacc 240
 acagagcatg gaggcttatg tgggtggctgg ccagctgtga atcttgagtg atatatggga 300
 tatggcctct ggtaatcgat taccaagggg gggtaatcga ttacaaggct tataaacgag 360
 atcaggaagc taacaggggt tatggtaatc gattacaaag gggcgtaatc gattaccagg 420
 cttaaaaata ggactggaa 439

<210> 35554
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35554

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35555

<211> 396

<212> DNA

<213> Glycine max

<400> 35555

agctctgcaa cataagaatt aaagaatgtg gttgttgggc atctggttcc atggctgctg 60
tcgaaggaga tggatgatga atggatgtcc tcagttatcg ctctctttat taacgccatc 120
tgcaagaaaa gaatgtagac aattacaaaa atcaagttga aagcaacata aaggccgcta 180
agtgagatca aatttgctta gcataccttc acaaaacaac acataccgct tagcgaaaca 240
tggttcactt agcgagtctt aaaagagaaa ggtatacccg attagcgctc tatagagctc 300
gctatgccta aaaccagccg catagatatg cgcttagctc tccatgagct gcgcttagcg 360
gcactaaata aagtaaattt tactaagtta tgggag 396

<210> 35556

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35556

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taacattaaa gatatctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatatc 180
aatctctatg agtcttctgc actttttttt ttttttgaga cggagtcttcg ctcttgccca 240

ccttcatttc aaccttggtg aatctgatga ttatgtgtct tggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atactctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35562
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35562

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 gctgcccctc ctcatatac gcggagggtga gccaacagct ctgatgtata cattccttta 120
 tgactatgca aaaggtagaa aggatttggg gcacaaatat tcttgccctg gactggatng 180
 gatctcttta tttccttgag tggctcgata tttattagaa ggagattgct atctaactcg 240
 accaattttc tatacctttt gatcttttagg gcgtgtgatt ggatagacgg gctgctcttc 300
 ttgctggcta ttcttggcgc atgctccata atgcaacgat tcacacgct tccaagcgaa 360
 ctatatggcc tgctaatacc aatgctctct atgcagtagg ctat 404

<210> 35563
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 35563

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 attaatttta atattggtt tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgcctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt cctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35564
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35564

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cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35565
<211> 386
<212> DNA
<213> Glycine max

<400> 35565

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
aaagtgtgag tatttgcaat ctcttcatac tccttttaaag tcaaaaatca atgacaagga 300
ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
tgagtattgc ctactgagtt aatgag 386

<210> 35566
<211> 423
<212> DNA
<213> Glycine max

<400> 35566

agctgtgaac cacaccaaac cctgacatgt atcatgtcta gccattctac aagcttcgag 60

ccagaataact gactcaccac aaaccttgac ccacggtgag aatgccactc cttaccctcg 120
gaagcaaaat aaagaagaga aggaaagttt ccaatcatag gagaaaggag aaggaaaact 180
tccactcaaa gaggaagcat aaaaggagag aaggagaatt tccaatcaca ggaagaaaga 240
gaggatagga aattcccaat cacagagtgg gagagagcat aaagaacaga aagaagattc 300
ccaatcacag aatgggagat agaataaaga gaagtaaagc agaagaaagt tcctgatcaa 360
agaaactaga agaaatgtgc agaaagatct ttgaccaga tgatatctga acaatacaga 420
att 423

<210> 35567
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35567

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35568
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35568

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tagaatcaga aggtatggtc acaagagtat tctatatgaa atatatctcg atacgagtcc 120
tcgaactata gagtatcaac attgctaaga acaagaaatc atgaacaacc atactatcta 180
tgcaattaag gcaaaacacc atactactaa cataccaga attataaggt tcttataata 240

agtatacatc gcacatataa gaagtaagaa tttaatagtt aataaggatg tattaagaa 300
 tcacaaactt caactactac attcatgact acacacaaag taaagcgagt taagtagtca 360
 tgcgtttaca catcaagaaa gacatactca tncaagacat atatatgggt cacaagggtt 420
 tcacaacact aatccacaca tcaagataga aatacagtta 460

<210> 35569
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35569

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagtttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccatttcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag ccatttcatt 360
 tcacttaaca gtcacct 377

<210> 35570
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 35570

agctcttcct ctggttgctc tgctaagggt tccatgtgct agaaagaaag agaagagatt 60
 gaattctcca ttccagtgtc tgcattgtat gattatttat ccctccctag atattaagtt 120
 aacaatccca atggagaaga tgtgcgtaaa tgaatcaaaa acttggtatc caaatttcac 180
 gaagatccaa tgggttaaaaa gtctcagatt gtagttttac taaaacagat ttgggtatat 240
 gcggaaaaaa ggaaagctac gacacggagg gaatttctct cagctccgac attgtttctc 300
 atattgcaac gatgggaatc tttggaaatg agttccagac ttggtgctca catttcacga 360
 cgatctaacg gttaacgagt ttatgatcgt ctttttctga gacagagttc agtgtatgcg 420

cgaaaaagat aggggtcttgg gagagga

447

<210> 35571
<211> 389
<212> DNA
<213> Glycine max

<400> 35571

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtccct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggttttcct gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccctagaga atttgggtat 389

<210> 35572
<211> 379
<212> DNA
<213> Glycine max

<400> 35572

agctttctatg gaggctggat ctttgagctt caatgaggct cttcaatggg gattttccac 60
catggagatg cactggacga taaaggagaa gacgtgagag aaggcaccat ccactacgga 120
ataagcgatg gaagaaggag ctttgccgcc aagaatgtgc cttggataag aagcttggag 180
aggatgcttc catggaggaa aagaaagaga gagagaaaga gagagggggg gagtaccaaa 240
ttgaaggagg aaaaagggga gagaagttga actttgagta ttctctcaca agactctcat 300
tcatcaaagt taccatacgt gttaacatac ttctatttat agcctacgta gcttccttga 360
gaagctttct tgagaaact 379

<210> 35573
<211> 396
<212> DNA
<213> Glycine max

<400> 35573

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagaggggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcataccttgc catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35574
<211> 384
<212> DNA
<213> Glycine max

<400> 35574

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ttgacccctt tctaaatgat acgctccaaa tgtagaagta taagcaacaa tcaattcaat 120
aatgttcttt atacatgcca gacaaaatcg actgccataa tataaatgag attagggag 180
agagaaatgc taactcactt tatactatctt aggacacttc ccgtgcctac gtgcaattcc 240
tcagcaaccc acttgaaatt ttccactctc tttgcaagaa tacttttaca cagtctgaac 300
cacatagggg caacccatcc attgtgtcca ggaatactta ccacttaaga gaccctccat 360
cccttaatca atctctttga ataa 384

<210> 35575
<211> 383
<212> DNA
<213> Glycine max

<400> 35575

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caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300

ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35576
<211> 556
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35576

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atgattcggtt acntccggat cggatattaa tgggctgcgc tccacttgaa caagatattg 120
actcaagtta cacgtgcaaa gaagagaaca cactgcattc aggctgcatg gtccagacta 180
tatgctacat gaactatcta tctatacga tgccttttac tatatagagg caacattgct 240
attaacatga cttccagacc ttccgttcta tctatgcaaa taaggctatg caccatacta 300
ctgacataca cggaatatta aagttgcata atgatgtatc attcaacata tgcgaatgca 360
aacgtctatg gactataatg gtgtatcaaa gaatcaccna cgtttactac tatattcatg 420
actacacgca cagcatagtg atttttacag atatgcgctt acgcctcctt atatcatgct 480
cctacaagaa atatatctgg gataaactga catatgacta ctctcctgac aagaagagag 540
tagatgattg attacg 556

<210> 35577
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35577

agcttattgg gtctcataga atacttggag atcactagtc atcttcaacta catgtttccc 60
agaggtgctt ctatgaacgt ccaggtctta tcttttatca cacatagcat catggcatct 120
tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360

ccatcaatat ggatttgcag catgtattgt

390

<210> 35578
<211> 386
<212> DNA
<213> Glycine max

<400> 35578

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35579
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35579

ttcatgactt atttatgagc tccttttata ttgtggccag tttcaaata acttaaaatg 60
taacattaaa gatattgat aacaggaaaa tcctgnggat tgacaaatat tacaaggca 120
tactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatata 180
aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
ggctggagtg caatggcacg atctgggctc actgcaacct ccgccttcg ggttcaagcg 300
attgtcctgc ctgagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
taattntgta tatttagtat agacgcgggt tctccatgtt ggtcatgctg gtt 413

<210> 35580
<211> 215
<212> DNA
<213> Glycine max

<400> 35580

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aactgtgact aactgagct ctcatataag tcaaagagct gcgaggcaa gaaggtagca 120
aatcatgccg ctgtgaccag tgtccgact aattatactg atcgtgaagt gccgggatca 180
ccaacgcttg ggcgcttat ctcaccgatg ccttg 215

<210> 35581
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35581

agctntacat ggagctacat catgtggtat cagagcatct tcacttaggt gatgctcttt 60
tgcttctct atcttttggt cagctaattc actttgattc cttgctcttc atcatcttct 120
ccatgtatct cctccattat cttgtgattc ggtattgtct agagtagatt caaaaaata 180
aactgactaa atcttagatt tacacttggt catgcattct ctatgggtca aattttatag 240
atctactctt gaatcatgct tttgctctg attctacgtt ctatcttttt tcagaaataa 300
tcttcttggt ctgagccttt agatatcaac tttcttacca aatattgatt acaaaagaaa 360
acacaaaaat ctaagtcaa accatttgat tcattgtt 397

<210> 35582
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35582

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tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggt aggtagtgga gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcttttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggtgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35583
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 35583

agcttgaatt tgaacaacag aagctcttga gatattctaa tggtcataac ttatcacacg 60
 gaagtccgat tcatgcgcac aatatatcga gaccctcgaa attgcactac ggaagctctc 120
 acgaaacata aatggcgata acttttcaca cggatgtgca ttcaagtgca taatatatag 180
 agaagcttga cagtgaacaa tggaagctct ctagaaatat caatggacat aacttatcag 240
 acggaagacg cattctggcg cacattatat cgagacgcta gcaattgcac aaag 294

<210> 35584
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 35584

atcttaagtc actgggctgc agcttaacca ggggagatgg accatttcaa gttcttgact 60
 gaatcaatga ccatgcttac acagttgagc tgcccggaga gtataatgtc atctccacct 120
 tegatgtctc tgatctatct ctattctatg caaatggaca atcctatttg aagatcaact 180
 cttctaaaga gggagagaat gatgatgaca tgaccaatag caatggacaa gatccacttg 240
 aaagacttgg aggacctatt gatgaggaca tgaccaagat ctatggcaat gatccacttg 300
 tacgacttgg acgacctatt acatcgtcta tagcaaggaa agccaatgaa gctcttcaac 360
 acatgcatga cactact 376

<210> 35585
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35585

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaatgttga 60
 attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180

ccttcatttc aaccttggtg aatctgatga ttatgtgtct tggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tgggggaattt ctcttgata ataccctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35586
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35586

gctgtaagac attatgcaac attgttttgg atattcaaca tgaacatccc atttcttgac 60
 gttggtacct tcgcgattag attgcttctc ctatctctga tggaaagact ggaatctttc 120
 attgaatata atagccttta ttgagtaatt gacccaaact cataatatta ttcttcatat 180
 ttgggacata gtagacattt gatatgaatt catgtcttcc atctttcaaa taaattaaga 240
 tcttacatta tccttttaca agaatcttag aattatcacc aaatgagaca ttgtcactta 300
 ctgattcatc aagatccaag aacatgcttc ttttctacac atatgggttg ttgcaccagt 360
 gtcaacgtat catgtgttgt cttggctacc ttcattacat gcacatgcta gaagcactat 420
 ttcaaacttc ttggcttttt gctccacat 449

<210> 35587
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35587

agctttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
 attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt cctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35588
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35588

agcttggttaa cgagataaaa ttatgattac gaccaatcaa ccactctcat acatcgccaa 60
 ctcgaaactc gataatctat ctgtattgct attntataat agagctccca cataagagag 120
 acagaaagac ataaactagt ctcttttgaa aaaaaaacca agaaagaaaa gagaaactga 180
 caaaaataat tagctttgga gttggtacag aattcttcca agttaactag aaactttgaa 240
 ttcaaaacca gtacatacaa ttaatatgcc ggtggtacaa gcagatgatt gaattcttta 300
 agtaagcttc tatgtttgaa tcttataaat aaaaaaata tgtttaaaat gaaaaattct 360
 ataaacaaag atttcttaat ggacattaat tattaaca 398

<210> 35589
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35589

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctggt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35590
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35590

agcatatcat gtttgtttta tatcagtctg acactcattc tatctttttt tagacaaagc 60
attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taattttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35596
<211> 677
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35596

ctcccactct ctcacacttc taantgggta ctagtgatgt tcttctcaga ccctgttgac 60
actccanctc caccacagca ccacacncac cncaggnatt ttganatcga atttcccttc 120
tcaganaccc cgcgatacgt ntagcataag agnatcgac gcctgctaag catntgtatg 180
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gagtcaatga gatataatnt acatgcgaca tcatcatgag ccctcttata tgatagcact 360
agagcgcccg cacaacata cgtatggaaa catagaatgg ctattcaaatt accacttgaa 420
tgagtggagg ccaatcatgg agccaaaatt tcactaatta tgattagtct attataacta 480
tggttcaacc cactaatcct agaacaaggc catgatactt cactaagaga gcttaggacg 540
tgcgacgcat gtacagcttt agatacatgc accacaggtg acgtattgag tgtgtactgc 600
ggtagatcaa gtacatgctc atgctacacg tcttaatat aaatggattg cgcttctctc 660
aatacaattc atctacn 677

<210> 35597
<211> 389
<212> DNA
<213> Glycine max
<400> 35597

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
 cactagtcct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
 cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
 tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
 aggttttctt gcatcatcca ttaagcaacc cccaacocca tctagcccag cttagcctctc 300
 ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
 cccagtctgg ccctagaga atttggtat 389

<210> 35598
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35598
 acctcacata cacaacaaaa cgaggagaaa cattattacg agtcctata catatattct 60
 acaacacctt ttcacaagtc aagatctctc tgtatatctc ttcattgacg cgctcatgac 120
 atcttcacac ctatctcctt ctcatctcct tgacgaacac agccatctga atacaatccc 180
 tcttacacaa gttgatgata atcacacaac ttacacattt ctacatgg 229

<210> 35599
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 35599
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 cttgtataag agatgttcaa taaatatttg ttaatataac actgcataat gtataaatgt 120
 gtattttaaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gatttttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc ctactcctt 300
 gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
 acatggtcta caacaggagt tggc 384

<210> 35600
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35600

agctattgat aatatcttac gtgtcataag agagtcaaaa gtcctaatta caattcctat 60
 cacatacctg tccaaagcac cacaatgttg tctttgggta aactcttgaa atttgaaaaat 120
 aaatatttta taacaaatgc taacttgtgc tctaagaaca ttagttgagg aatttaaagt 180
 agaaattatt ttactagaa aacgaaaaat tatgttccca ttatcttatt acgcttttat 240
 gatttaggca ataaatattt ttctctttta attctttaat caatgtctta agtacattac 300
 ttatcaatac ctatattcta tttatgctct agacagtatt cattgtattc gacaaatact 360
 ttttttaatt ttaaataaaa tgtgtgggga tgttagttt 399

<210> 35601
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35601

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcaccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35602
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35602

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 accaactg ctgaactaga atgcatcac gccacctgct gattatatgg aagttcagac 180
 tctgggcctg ccatcactat tagatcaagc acatccatca ttgaggttat gctatgacta 240
 ttgaaacccg atcacctttt gctcgtctac aattacatat gactcgtgc tattgcacca 300
 tgccctgcgta gcgctcgact acaggcctct tggcataatg tatgatactg cttaacgaac 360
 agcttccgtc atgaccatac tggagtgggc tcggctaagt cacatactta ccgagcttat 420
 atccn 425

<210> 35603
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 35603

agcttcaacc aattaacatt gtttgaatga caactgttgt agttggacaa caatcacata 60
 gtttgtccac catggtatgc tttatgttcc tattggttat agctctggta tgctttatgt 120
 tcctattggg tatagctttg gtgctagaat gttcaatttg gagtccacaa gaggaggatc 180
 tccatatggg gctggagttt ttgctggaga tggtaacaaga caagcaagtg aaatggagct 240
 ggagcttgta gagtatcatg gcaagtatat atgaaattag cccataaaaag ctagattgaa 300
 ttctgcgatt ataaattcat taagccctcc tagccaggtc agcattctag tctgtcccaa 360
 gttggtgacc tctaaatcaa acttcttaat gcaactcaaac aaaccattgg tgacctcaca 420
 atcaaacttc aagtcagtgt tgtcataaaa 450

<210> 35604
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35604

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 agagggtgctt ctatgaacgt ccaggcttta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240

acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35605
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35605

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 taaataattc tgctatctat aagactcagg gtccgatgac atgcggcaac cacttggtcc 120
 cacacctttt tgctatgtat aagactcaaa gcatgataga acgcagagac taatgtcgctc 180
 ttctgtgtct ttccccatcc agaggcgacg gtcccgatga catgcgggaa ccatttggtc 240
 ccgcacttgc ttttgctatc tataatactc aaagcatgag agcacgcaga gattaacgcc 300
 gtcttctgcy ccttttgtca tccagaggcg gctggcccga tgacatgctg gaaccatttg 360
 gtccacacc tttttgctat ctataagact canagcatga tagcacgcat agacgaacgc 420
 tcgcttctac g 431

<210> 35606
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35606

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttggaag aggggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35607
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35607

cactccaccc agtcaactcn ctcatagcta tangataagg tgttatgtct anatactgct 60
 tatacacnnn tatccaacac gcccgccgc accncaactt tggagatcgt agttggacng 120
 cgtatcctat anagcggatc tgtatgcatg caagctgtgg gcatgttagc gtntgtggga 180
 anactgtatc tgtattcact gtagctctcg aatgcacaat cgagatgggt caagcacaaa 240
 tatatatatg ttgttgctcg cttgccacgc ataaatagtt tttatctggt cagattaagc 300
 atacacttgc tcatgcgacg acttcacata ctcaactata tcgcgtgcat gcttatgctt 360
 aatcatagga atggtacgaa tatgcgacta atattgagga gcgagtagac ttaatcctta 420
 ttctaggtca tatggtgaga caaaaattgc gctaagtgat tgcgcgatta taatcaaact 480
 cgacatgagg ctaacagggt tctccaagac ttaacatttc actttgaaac tgatctaagc 540
 agtgagccta atgccctata gactacttca cgttgaacat tacttggtgg gtgacagtag 600
 tgcacataca cactcacttc cattt 625

<210> 35608
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35608

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 taacattaaa gatatctgat aacaggaaaa tctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatctc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttct ctcttgccca 240
 ggctggagtg caatggcacg atctcggctc actgcaacct ccgccttccg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggt tctccatggt ggtcatgctg gtt 413

<210> 35609
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 35609

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 gtcattgcag tgcgcttttg ccttgatcac gtatatgcat gctttgctaa gatccttcac 120
 gtagatgcat gctgtgctaa gatcgtacta tcaattcaac aaagaccacg gtggaccttt 180
 caacaggccg cttacaacg gcctatcatc ttttacagga caaccaagct ggaggagact 240
 ttgactcaat tcatgcagggt gaccatgtca aatcacacaa gcaactgagtc aacaatgaag 300
 aaccttgaga t 311

<210> 35610
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35610

agcttgtccc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcatataag tcaaagagct ggggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35611
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35611

ccacctcccc cccagcttta actccagcaa tacaagagtt ttggcgcgta cacattacac 60
 tcaccacgcg cngcccgtt ggtatcgctg cantnncgag acctncanac tcaactgcagc 120
 acgcaagctt canctgactt ccagtaaadc tcttcaacta taatgcctta ctgccatcca 180
 gtattaggac atatccaagt aaagaaagga acacaatctc gcccgacggc ctcaaagggc 240
 atacgcggcg cactcttctt acactcaaac tacgttcgag ttaacaacag gcattgataa 300

acaggttgaa tatagattga tatatctatt atgactatta cacagacata ttattcctac 360
 ataccattcc aagaagaaag tgaaacgggt gagaaagatg gtagctactg cctgtctata 420
 gaatacaaac atgacattgc tcatgccatg atcgaatcgc cctcttgaga gaatgaacat 480
 atcagcatat atggctcgcc ccagaaccac aatcacaaac ggtcgatcct atcattttga 540
 ctaccctggc ctcaatgcga ctaacatcgt cgcacg 577

<210> 35612
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35612

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 tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tattttttgcc actcttagat gaccaagcat ctcattgtatt agaaaagagg 180
 aagaaagggtg aggtagtggg gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
 ctgagaggggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35613
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 35613

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaattgtga 60
 attttgcccc ccaactctctt ctgggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ctttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctctggata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360

365

agcttttaag	tatctgtcag	ggccctaate	atttctgcaa	catgaatgaa	atggatgaaa	60
attaatttta	atattggttt	tacattaata	tggaagctaa	tgtttgaact	agatcagcca	120
aagagtccca	gtgcttatct	aaaaagcaag	tgactaatgt	atggagaaat	tcataattct	180
gtactctaca	taccctttag	catttatttt	tccttctggc	tgtagatttt	tacaggataa	240
tagatgattc	tgccctgtga	atacctcacc	tgattccgat	ttttcacttg	aattcatact	300
cctctgactg	gaaaagaatt	cttcattttc	atggcaacca	gggttttggt	ccctgtcccc	360
tccatttaaa	attocaagca	gatacccttt	atttca			396

<210> 35616
<211> 610
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35616

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actctatcag atatacacac catcacacca caacgacacc gcnatttgaa ttgtagatcg 120
tctcgttacc tgcgatacnt acagcgacct gccagctgca agctatggag aatccaagag 180
ccaatgctgg ttcttactta ctgcgacctg attctggctc caatctctca gtgggcttat 240
cttctgcgcg cagcatcttg ggatgttccc agcctttgat gacagctctc caggatctgc 300
tatacacaga gttgaggaag gccacattc gtgcattcca gtattcatag gaggggccat 360
ccaaaatagg aggcacgagc actggccctc cttccttctg catgttcatg agaatatatc 420
ttcctagatg tcaactcagt agtatgagcg cctgccctga taccaactga acatcctgta 480
ccggcgacaa acgtcgacac gatgtcacga catctcgcac taagcatgcc aactgtccat 540
gactgtatga acagattcac caataaatta cacgcgacaa tcgtaacacc cctcggtgca 600
cctcacctcg 610

<210> 35617
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35617

agctttgctg gtcttacctt atctcctttt ggtccataag gtcccagaag gctgngaaa 60
cccccttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagtgc cagacacgga 300
tcagaaaagg ctattttagg gattgctaag cttatttggga tagaacacat tttataagca 360
catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35618
 <211> 621
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35618

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 tactcgctt ncnacctnt catccgccgc gcgnaccanc ncttggaatt tggagactgt 120
 tatcctttgc cgggatccgn gatancntac agcagacctg caagcttgca gcgctcctgg 180
 acatacttga tggactatcg cgctcgacag aacgacctat gacaatggga gagggggcta 240
 gacgcactgc tctcatagct cagcctaacg catagagaaa cttacttttag aagatacata 300
 aagaaggtag gaccacatct acacatacct ctctaatagc taaggatagc tcccttggat 360
 gagaacctac agcttaccta cacaccacgt ataacactta atctcacacc tatgacacaa 420
 gacatgaaaa tcaagaatgg gggccttatt acacagacgc ctcagaacgc tccgaactac 480
 atcgctgata ccctaccata ctagaacggc cattatacat ggcccatagc aaggagggtgc 540
 ctgacctagt gtttacaac atcagcgggc tcatacatag cccatgggct ccataactac 600
 tctaagctc atgagaaccc t 621

<210> 35619
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35619

agcttgccac ttatgataac gcagggttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtaag tatttgcaat ctcttcatac tcctttaaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35620
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 35620

agcttggttac cttattgaca tttaaattaa tactagctag taaagggatga aattaatcat 60
 ttcttcacaa gagtgtgcaa agatgttcga atcacctgtg gtggaccacc gacatcattt 120
 gtgcaataga gcctggcatc atcaacaagt ttgcaaaatc ttggaaatgc attagcaaat 180
 cttttgtgag atttcaactg tgaattcacc cttactgccc tacctgtcat aatagctctc 240
 ctcgtaaaat tccaatggca agatgttaac ctgtcatata tatatatata aaaccaattc 300
 ccaaactagc aacacggatg attccacaaa gcatttatac ctaatgcctc taacaacagc 360
 aagatagcca tcacaaacca caccaactag ctcaattctg taggctttcg cgtgcgcgat 420
 ctcattacaa ttttctct 438

<210> 35621
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35621

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
 aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35622
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35622

agctnttaac taaattagca acgctcaaat tgattnttaa atggtataat cgattacaat 60

atattggtaa tcgattacca gtgtatctga atgttaaaat tcaaattcaa ttgtgaagag 120

tcatatcctt tcataaaatg ctttgtgtaa tcgattacat ggttatggta atcgattacc 180

agtgacaagt tttgaataaa aagtcaagag atgtaactca tccaatgggtt ttcaggtttt 240

tctcaaggat ataactcttc caatgggttg cttgaccaga catgaagagt ctataaaagc 300

aagaccttga cttgcatttc aataactggt tagaaaaact tttagaattt cttgaacaac 360

tnttgagaga ttgtgaaacc tttgcttctt atctttcttc ttcttccttt g 411

<210> 35623

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35623

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attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120

gggcagatat taaaagtttag ttaattacat aataaacaca taagtatata taaagatggg 180

taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240

ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300

gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360

tcacttaaca gtcacct 377

<210> 35624

<211> 464

<212> DNA

<213> Glycine max

<400> 35624

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attaacaact tccatttgcc catcggtttg tgggtgacaa gtagttgaaa ataacaatct 120

actgcccaac ttgcccaca aagtctcca aaaatggctt aggaacttag agtccctatc 180

actaacaatg ctccttggca aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240

cacatgggaa gcatcatcaa cttttttaca tggaataaaa tgagccattt tagataacct 300
atcaacaacc acaaaaatgg aatctctacc actgcttggt tttggcagcc ccaaaacaaa 360
atacatggat aaatcaatcc aaggatactc cggaattggc aatggagtat acaatgcatg 420
acgctgtacc ttagactctg cccttttaca tacaatgcaa tggt 464

<210> 35625
<211> 389
<212> DNA
<213> Glycine max

<400> 35625

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cactagtctt tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggtttttct gcatcatcca ttaagcaacc cccaaccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35626
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35626

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agggtactga tgtaaataca tgtatatcta tttaatgata ttttatgtat tctctatgct 120
atcactacgc catttcaatg cgcttttgcc ttgatcacat agatgcatgc tttgttagga 180
tcattcaaca gtggaaactg gtctgattct tagaacttga taggataggg ctagtattatc 240
gcattatcac gaggtatcgc ggtacggcaa cctagttggt cgtatgctga cttaatgcgg 300
ttctggtcga gttcactcca acacgatgaa tctgaggaca atgcttgatt angattangc 360
tagactctca tgacgaatcg gggcttagca ttttacgaga caccatacaa cacatgagca 420

ttgttaagta gagaatatcc ttataacatc atgcacctac tatga 465

<210> 35627
<211> 384
<212> DNA
<213> Glycine max

<400> 35627

agcttgtcta actgttcctg ttttctata aataaagcaa ggatccattt tctattataa 60
cttgtataag agatgttcaa taaatatttg ttaatataac actgcataat gtataaatgt 120
gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35628
<211> 227
<212> DNA
<213> Glycine max

<400> 35628

gcttattcct tatctagagt agctgagcac aacatcttac tactgacatg taatggactt 60
taggagtgga caatggagtt gagccttgca tcttgcatag tcatgttact aagttagccc 120
cgataaagga atagcttcca ctaaagctgg ctctttgtac tctatcacca acatagtga 180
catgctaata gccgggaagt ctgaaacttt ctcttttgtt gaacata 227

<210> 35629
<211> 396
<212> DNA
<213> Glycine max

<400> 35629

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttaa aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata ttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35630
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35630

ccccctcccc actcaatcta agctttcgtt ttcattgtct acatccaaca cccccaccc 60
 ccccgaaattg aatcggttact tcgcgacctt aagnnactgn cagctgcaag ctctaactct 120
 actccatttc atttcctcgc attgacactt aaccgctcca caccgaatcc aatgtatgca 180
 tggcaatgac ttttgagcac atcgccgttt cgtgatgata atggcggttac cttttgatcg 240
 acgagtgcta ttgacaagct tcaactcgca acttgctctg acgctgtcta tgcgctcgta 300
 tctattctgt atattgtctg gagctgctcg aatgatgcat tgcgctatcg aaatatataa 360
 aatgctgata cttggataaa gggatggact aatatgcaca ttggtccttc atcattcacc 420
 gcctggactt gtaccaaaga gtacagatcc cctctcactc caatcctacg gactaaaact 480
 acatcttgct gtgcgaactt gccatagcaa acaacgatgc cctcacgaaa ccatcatat 540
 ctctacctgc acttcaatat ctccacct 569

<210> 35631
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35631

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 caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtagc tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaaacag 300

<211> 434
<212> DNA
<213> Glycine max

<400> 35634

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acctttggac gtattctttg aaagattcat gcccttttcc acccatgttt tgtagctgca 180
tcctatccgg agccatatca gaattgtact gataccgtct aacgaaggca accactaggt 240
ccttccaaga atggactcac gaaggttgca aattattata ctaggtgacg gctgccccag 300
tacgactttc ctggaagata tgcattgagt agttttgatc ttttgcgtag gcctccatct 360
ttcgacagta cattgtcaag tgattcttat ggcaattagc actcttgtac ttatcgaaat 420
tcgtgacctt gaac 434

<210> 35635
<211> 386
<212> DNA
<213> Glycine max

<400> 35635

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aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35636
<211> 251
<212> DNA
<213> Glycine max

<400> 35636

cctgacattt cacacatata tatcaaactg tacaagacaa ctatatctgc tcgattgaat 60

acctcaccca ctcgagtgtgta tcacacaatt atggctattc tctaatagaaa cactctcgcc 120
 ttttaccact ctaattcccc ttgagttctt acgcaattca agagattatg tgcacaacat 180
 agaacaattc atcaatatgc gtgaagcaac gctagacaat gaaaacgtta acccagaaaa 240
 aggctaacaa t 251

<210> 35637
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35637

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 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatatac 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
 ggctggagtg caatggcacg atctcggctc actgcaacct ccgccttccg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggtt tctccatggt ggtcatgctg gtt 413

<210> 35638
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35638

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 tctccatcat gccagacaac agcatctatg acaggccctt tatcatcata gctctacaac 120
 ataaaacagc atttcctttt caatgtaagg aattcaagtt gaaaaaactc tcagtgggag 180
 cacaacaca agtataaatg tctctttcag ttcgagtcac tgagacgagt cagagggaga 240
 aaacacaaga aattcattgt ttatgtgtgg ccagatggaa aagaaaattc aacattatct 300
 catacagaga caatcattct atcaacatcc tcattccacc acttatgagt gtcctataat 360
 gatataaatg cacatcaatt ggtcattacc tatttcaagg acaggaaaag acacacatac 420
 ccgaagagca acctatgaag atgacatgc 449

<210> 35639
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35639

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 aactgtgact aactgagct ctcatataag tcaaagagct gcgagggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35640
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 35640

gctttctcaa tcgctaatat atgggtttgca tctcctctga tatggacaac tccgcctcac 60
 ataacccttg atctgaataa ctgagcctac accaatgtca gacgctaatt tcatccgggt 120
 ataatgctcg tatcattcag atatgatggt atgatcactg ctaatcgaat taccgtgttt 180
 ggcacggtt acagtgcaca accaacgggt atcgcggtgc tttgatagtt gtttgtcatt 240
 ttcagaaaca taagcctcca tg 262

<210> 35641
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35641

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 tgccatctgc tctgatatcc caaagtaaga tggtagggtc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaaggtg aggtagtggg gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300

ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35642
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35642
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 ggtcataact ttctacacgg atgtccgact gcagctaatac acatatacgat tcgctcacia 120
 ctgaacaacg gaagctcttg agaaattcaa acggctctat ctttacgcac ggatgttaga 180
 ttaaggcgca tcatatataa cgacgctcga atttgaacaa cggtagctct cgagaaactc 240
 agattgacat cacttttcac actgatgtcc aatt 274

<210> 35643
 <211> 593
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35643
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 cccccaacca cgcgacncca ctttgaatt tgatttgatc accgttctcg ncaccgggat 120
 atatacatcg actggagcat gcgagcttga agaagaaata agctacctct ctttaattca 180
 tgcttaataa tagtagtaca gcagcttata gcacgacggc atcttacgaa gttttgtgtg 240
 ggaatgatag ccgacgtccc aagtagcgag catgtacgtt ctttgtgtac agtacggctg 300
 tagcaatgct acaggcgaac atcaattgga aaacagtgat atttacctga atgtgggtctc 360
 tattggattc ctacccccat gtatgagaga gagaaggagt ctgttggtta tgtgcatgta 420
 tgagaaacgt gcncaggat ttatgcttct ctgctcgaga gttctatcac tacgtacgga 480
 actaagtaga atggttcgat gttgaaccct atgccatct caatcattca tttattttat 540
 cagatcataa ctaacatgga tagatcttaa ttggtttcaa taccattgca ccg 593

<210> 35644
 <211> 365

<212> DNA
<213> Glycine max

<400> 35644

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atattggccc cactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctctggata atactctgaa gagggttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35645
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35645

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acaccaagac acacctgac ttgaatcgt agccctaccg anaccgtgac atcnacatcg 120
actgtggact gtatattata cgcaatctct acaccataac tgatattctc cgaacaccaa 180
cgagaatgct tacataatcg tctgtcttgc tcacctaacg cgagataaac cactgacatg 240
aaacatcgaa cctataccac ggagacagcc taataccctc cgaatacaga gtcgacactc 300
ttcacatact agggtcgat cgttgacac aggagcaccg cgcacgcac cacatacgcc 360
tcatgaccaa acagataccc aagcgtctct aacaatatcg ctagcaacaa aggcgaccgt 420
cacggagcat aaagaatatc cgaacaatct ttctaccca ctgagagcaa cctgcctga 480
ccattgcatg cctttactga accatacaa atccatcgcc caacgcgcca aaagaactcg 540
atggaccaca ttatcgaaat gaacaccac atccaatcaa caaacg 586

<210> 35646
<211> 396
<212> DNA
<213> Glycine max

<400> 35646

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 attaatTTTA atattggTTT tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgcoctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggTTTTgtt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35647

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35647

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcaactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttggga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35648

<211> 448

<212> DNA

<213> Glycine max

<400> 35648

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 tctgcctatc tctaacatat tttcataaat tctacatgct accctatatt ttcacaccta 120
 acaaactcat ttttaaagtc aaatctttta cacaaccagt ccatgcaacc atagcagcca 180
 atttattttc gtgacaattt agtccaaaaa gaaaaattcc ttaaacttgt tgtgttcata 240

actttttatta gaaagcttca atttatgtga aatttaaggc taaccctaca gtttgacacc 300
 caaggaactc atttttttacc ttacaatttc aaaataaata acaacatatc tacagtttca 360
 gtcagggttag tagctacgaa ttttgaacat caaaacaaca ttcaatgaaa cttagctctc 420
 aaagacaaca agaatagggt tcaagaat 448

<210> 35649
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35649

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tattttgcaat ctcttcatac tcctttaaag tcaaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35650
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35650

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 catcatatct cccaaaaccc catacccacg aaaatcaaag gagaaagaag tccaccacaca 120
 cctgaaatth tgaagtccca ctcgtagaca cgcacttcac gactccgaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgatggccaa aggttgggagc tttgttgggc aacaatgggtg 240
 gaggaagaaa agaagaagaa ggctgcgtga gagagaggga gagcttctga aatttctttt 300
 gggctgagtg aggagagaga gagagatgct ctctggttct aaaaagggtt ctctctttnt 360
 ctattatttc atttaagcta tgccacatgt ctccattcga gtggcgcana aagggcccac 420

tttctctttt gacgtgaccc ataactcage

449

<210> 35651
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35651

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 aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35652
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35652

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccatttctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnetgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35653
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35653

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aacaataat gaagctccct tgaggggtca cataatggaa ccaaaccaaa acagctctga 120
caccaacaag tgaatttaag atcttgatag aaatcggaga gatcattgag aggatataat 180
ttgagagaag caagatccat gagaaacaca aagaaatctt gatcaagaat aatagtcac 240
tgaagtacaa tgaagacgag aaaacaaaat ttaaagaaaa tactatggac tgtcaaaaac 300
cagtggaac ctaagatgaa cctaagtctc catacttgaa caaacaacat gatagccaac 360
gagaatattt acaatgatca actagtanat ccaaactcga aaatataaac tctcat 417

<210> 35654
<211> 389
<212> DNA
<213> Glycine max

<400> 35654
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cactagtcct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
agggttttct gcacatcca ttaagcaacc cccaaccca tctagcccag ctageccttc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35655
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35655

agcctttata atttataaca aaagaactat gattatcgaa taatctactc atgttgtctt 60
tatgagacta acnctataag gccagacag tacacacttg atgatattat agattcttta 120
gaatacatgc atattaatga ggaagtgcac aacggcaaag gaaatggaaa tgattaagac 180

tctcaaattg atgaatctaa aacaagtacc ggtcttgcaa gagagtgtac aacttcaaga 240
tagcatcctc ttgataatat catcggcgcac ttataaaaag ggataacaac tcgacactct 300
ctcacagatg ttgataattg ctaaatatga gcaatttatt ataatacaaa tatattggaa 360
atatctttta caatatttat ttagcaatta tgtttggctt aaatgataag aattaatatt 420
cttattattt atcgc 435

<210> 35656
<211> 384
<212> DNA
<213> Glycine max

<400> 35656
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cttgtataag agatgttcaa taaatatttg ttaatatatac actgcataat gtataaatgt 120
gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gatttttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35657
<211> 442
<212> DNA
<213> Glycine max

<400> 35657
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atctgtctta gaccagtaca atcatatgca tcaaagtttg aaagccttca taaaacatga 120
aaatgatttt gtgcatgaaa agttggaaac aacgtgttga aaaaacactt tctaaacatg 180
gcatectaaa cactgtcatt ttgagtaaca acattctgag tactgtagtc agcacaacaa 240
ctttctaagt gttgatttat cattacataa tttgtggttt cataacaact aacagatatg 300
ttgatttatg tgatgatctt ctgaacatga gcaaatgcac attgacatta ggttttcata 360
ctcatatcca acatttaata atgagtgttg tgactaacca cttaaaaatt cgaacttcgt 420

aagtgttgg accttttgt ca

442

<210> 35658
<211> 396
<212> DNA
<213> Glycine max

<400> 35658

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcctccttgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35659
<211> 430
<212> DNA
<213> Glycine max

<400> 35659

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aatcacaaga tgtacctctt cagatgggtt tctgactttt tcacatcgca ttttaagtttt 120
tctataagtc ataactcttc taaatgcgcc tcttgaccac acatggagag tctataaaag 180
caaggctttg ttttgcattt tatatcaatc caatcaatct tatacaagcc ttgaatctct 240
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agaacttgcg ctattcattc ttttcatctc ttcaccctct gtcacaaaga attcgacaag 360
gactaaccgc ctgaatcctt tgtgcgcctc tctttgccat tctccaaacg aacgaacgac 420
taactgcctg 430

<210> 35660
<211> 383
<212> DNA
<213> Glycine max

<400> 35660

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caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

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<210> 35661

<211> 444

<212> DNA

<213> Glycine max

<400> 35661

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caaaaagccc aaaagaatta tttcaagggt gagtcaacaa gttcaagatc aagattaaat 120
caagattaat ttcaagtttc aagaaatgac atccagaaga atcaagattc cagagaagat 180
gacttcacaa gggaagtatt gaaaagaatt tttcaaaaaa accaaacata gcacagtttt 240
gttttacaag aaaagttttt ctcaaaattt tctaagttac cagagttttt actctttggg 300
aattgattac tagtttcctg taatcgatta ccagtggtaa agtttgattt caaaagcttt 360
taactgaatc tgctatgttc caattgattc ttaaattggtg caattgatta caatatattg 420
gtaatcgatt accagtgtat ctga 444

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<210> 35662

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35662

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tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180

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ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
ccatcaatat ggatttgcag catgtattgt 390

<210> 35663
<211> 410
<212> DNA
<213> Glycine max

<400> 35663

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agagctttgc caccacacgg tggatgcata aagattaagt tgctactatc tgacccaaat 180
cccgatcaca tcagtcgaat tgactgcaga tctgctccct gggctttgaa ttaaaacatc 240
ggcagatcat cgtccgaccc aggatctctg cgtctaatacc aatgtaatcc agtcgtttgg 300
aactatagtg tgtgcctatg ctctacggat tgcttctctt gctgggcata cgctttcttt 360
actgatcgac atgactatct aatatccaac atcttattcg tgcattcccg 410

<210> 35664
<211> 386
<212> DNA
<213> Glycine max

<400> 35664

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aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag aggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35665
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 35665

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 atgaaagcct aacaaagaca agacggaaac ttcctctatc catgagttgg agaacgctga 180
 cagaatagat aggaacttct ctatctacta atgggagAAC gtcaactagg aagaagacga 240
 atgatagata gctcctgac atggatctaa cgagaaacag aacaaatgtg ctcaaaggtc 300
 tttggaccgg acaatatctg aacgatactg aattgtc 337

<210> 35666
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35666

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 taacattaaa gatattgat aacaggaaaa tcttgnngat tgacaaatat taaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatata 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtg caatggcacg atctcggctc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctacgcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggt tctccatgtt ggtcatgctg gtt 413

<210> 35667
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35667

agcttcgatt tgctgcgac cgcgaggAAC atgcatcaac cgcaccgatc agtggcaaaa 60
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<223> unsure at all n locations
<400> 35670

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tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tatttttggc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggtg aggtagtgga gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
ctgagaggggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35671
<211> 409
<212> DNA
<213> Glycine max

<400> 35671
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ggcgggttgc agcaccggct tcgctctcct aactgtactg gaggcggctg acgtggcttt 120
atcctctata gttttctgga cttttaacat gacctccgag atggaagcca tttgatcttt 180
taaagccgat agatcggcct tcctctgttc ctgcacgccc tcttcagtat ccatttttct 240
ggatcgagtg ttataggggt gccttggtgt tttcttagct atgatgaaat tcctaaagaa 300
ataaacaacg gcgagtatgc caccaaaaca tgaatatgca aatggatgat cggagcactt 360
ggatccaccc caaggtttct agataacatg atgatgtcag aacttctca 409

<210> 35672
<211> 453
<212> DNA
<213> Glycine max

<400> 35672
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agcttaggct acacacaccc ctctaataac taagtcaca tccttgagaa gctgccttga 120
gaagattcct aaagaagcta gagcttatct acacacacat ctgtaatagc taagtcacc 180

tccttgagat gagaagctag agcttaagta cacaccccct ataatagcta agctcacccc 240
catgccaaaa tacatgaaaa tacaaaaaaaa agtccctact acaaagacta ctcaaaatgc 300
cctgaaatac aaggctaaga ccctatatta ctataatggc caaaatacaa gcctagaaga 360
agatttacac agaagagtgg acccaacctt ggcccatggg ctcatgagaa ccctaaggcc 420
ttcttttagca gctctagccc aatcctcttg gag 453

<210> 35673
<211> 365
<212> DNA
<213> Glycine max

<400> 35673

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atthttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgtttagtc 120
tgatggggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgc tttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctcttgata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35674
<211> 460
<212> DNA
<213> Glycine max

<400> 35674

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cctctagata ccatcataag agatatgact accttgctgg ttatcactaa atgcctagtt 120
agatctctcc cttatacgtc ccttaaatat gggcacggag caaacacgct gcggggccatt 180
tttacctgc catgcataag tatcatatac ctttttgctt atgtgcagag aatattatca 240
tactgtgtac atctccgcat tgcgtctttt gcatacgcac cgcatatggg acctgtcttg 300
atcccttctg tatacaaacc aacggagggg ccgtgtcgcc ttcttaaaaa cgtacgctgg 360
ggcactttgc taccctaga cattgtgtct aagaagggtga cgaagtcctc cggacccccg 420

cccccttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataatttttg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttattttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35678
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35678

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 tgacctgaat aaaaaacagc tatctatgtc tataacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataataca aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtaag tatttgcaat ctcttcatac tccttttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35679
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35679

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 acgccgccgc gaccacattg attgattgta aactcggga cattaaggaa ctgtcagctg 120
 cagctcgaac tactgctatg tctcgatatg ggctgagccg agactaacgt catccactg 180
 caatcctagc atctatcctg aacacgcagg gtaactagtt gatcgcaaga ccatactatc 240
 tttatagcgt gtcatacgac actttacatg gaccatattc ttgcctatgg aggctcaaaa 300

447

<210>	35684
<211>	432
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 35684

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agcttagcta cacacacccc tctcataact aagctcacct ccttgagaaa cttccttaag  120
aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct  180
ccttgagatg agaagctaga gcttagctac acaccncta taatagctaa gctcaccct  240
atgacaaaaa acatgaaaat aaaaaaaaaa gtccttatta caaagacaac tcaaaatgcc  300
ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag ggccagacga  360
aggaaatacc tattctaata ttacaaaaga taagcgggct catacttagc ccatgggctc  420
gaaatctacc ct                                                         432
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<210> 35685
<211> 384
<212> DNA
<213> Glycine max

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<400> 35685
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cttgataaag agatgttcaa taaatatttg ttaatataac actgcataat gtataaatgt  120
gtatttttaa attgtaggtt ttcaacccat taatgagttg caatctatat gtatacatgt  180
atgatatgcc tggcacatta gatTTTcaat aaataattat taaataatgg aaacgttcat  240
aaaataaatt agacacagca agtagtaagt gctgttggtt tctatatccc cttactcctt  300
gtccctttca agaaaaaaat accctaataa atgaagagat ttcaaatgtg caactgtatt  360
acatggtcta caacaggagt tggc                                                         384
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<210> 35686
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35686

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agcttctnct tcttttcctt ataaataggg gaatgacgga agaacaaaaa ggttcaaccc   60
tcctggtatc agagaatcac ttaaatttag cgagaaaaat tgtttccgtg aagaaaatcc  120
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aagccgaggc gcttccataa cgcttccgag acattttcgt gggtgatttc gcgaggattt 180
 atcgnegttc ttcacggtc ttcggttcgtt cttcgacgtt cttctgtctt caaccggtaa 240
 gttcccga aa tcgaactttt caattcattc tatgtaccct tacgagtcct catttgtctc 300
 acgtgttctt attgttattt catttacttt ccgtaccccc ttttgacgtg ctttaatcat 360
 ttattcaagt cattttctcg cc 382

<210> 35687
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 35687

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 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcacctctgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35688
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35688

agcttttggg tctcgtgag tttttggcta ttcacttttc tttcttgtga tgcccctgtg 60
 caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
 ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
 tgcaatttat atgaacagaa tca 383

<210> 35689
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35689

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 gcacaacaaa gctttcacat ccacaatgcy cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatctnnc tcgttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttgcacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaat gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt 320

<210> 35690
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35690

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 agnnanacnc acagctagny cgcactgaca cgctaagcct agtgttcctc aatgtttgta 120
 tttttgtgtc gggctaagcy ccagttgcac gctaagccta ataagcttac tggctcttnt 180
 tgttgcaatt gggctacatt ntgggttaact tttatagtta acacattttg aggcattgtt 240
 tggttgaata gattgcatga ccgagacatt gtgaactggt tattaatggt gtngaaattc 300
 tgatttttga gtgagcacgc gttggtgttg ggtgatggtt ttgtgaatta aatgcgtgtg 360
 agtgagttgg ttagcttgca tgacangaaa ttgtggatga aaaactaaat gcttcacatt 420
 accgtgtgaa gtgtgtgcac ttaattgcat gagaaccact gaatcaatnt cttgattttc 480
 atgaatctga atttctggtg caacatgatg agatataaca agcctggtgt ta 532

<210> 35691
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35691

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tgtgaaaagt cggcgattat aacttcagtc gatttacatg aaatacacat aaccgaaaac 120
acttgtgtgc ttgagagaaa cactagctct gtgaggagtg aaacatagtt gatctttatt 180
tgatacctgt catacttgc aacctatttc aaactctgag tgcattcttt acatgatccc 240
atcatgaaaa ctgtgacaag tgtgaacttg aggattggaa gctaaaattg ttcgaaaagt 300
acgcaattat ctgagttggt gtgattcatt acatcctana cattgtcatt aatctaactt 360
agtgtagtat tag 373

<210> 35692
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35692

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ataactaggt aaaattgatt ntgcctcana accttggttt gactagaagc gataaacgta 120
gcatttgtgt tgtgctgaaa attttgcact aagttgtata gcaaacttgc tttcaggata 180
aaagtattca aacataaatc acttcacttg aaaatcaatt ttaaccanaa tcaattntat 240
aacgccatt tcattcataa tcaattntgc aaatgctcgc ccaaacacac actccaacac 300
aaaaatcctt gttnttcaaa ggcacacatc tgcaagtgag agtatcatag ctgtctatgc 360
aaaggctcgc tgcattactt tatagatatc atat 394

<210> 35693
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35693

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aggcgctctt cgtaactcgt ccgagacatt tccgtaagca aatccgtgaa gattntccgc 120
catccttcgg tcgttcttcg ttgttcttcg gtcttcaact ggtaagttcc cgaaatcaaa 180

cttttcaatt cattctatgt acccttgggtg gtcccttctt gtatcgcgta cttttatttt 240
catttcattt actttccgta ccccttatg acgtgctnta gtcatttatt taagtcattt 300
t 301

<210> 35694
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35694

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ctggnggtgg tatgggtgtg ataccctgtg taccaccccg tactttttta gcaaggcatg 120
cattgttctg ttgcaaaaat gggttccttg atcactaaca atntcttttag gtactccaaa 180
cctacaaaac agattagacc tgacaaaatc tacaacaact ntagcatcat tagttctagt 240
gagcttggct tccaccatt ttgaaacata gtcaactgca aggagaatgc taacataacc 300
aanagagaca tgaaaagggc ccatgaaatc tataccccag acatcaaaca cctcacagaa 360
tagcatantg tngtgaggca ttnggtgtcc g 391

<210> 35695
<211> 205
<212> DNA
<213> Glycine max

<400> 35695

caatccaatc cttgtgtccg gactctcagc cacttatgat agccgccgat gatccatta 60
ctgcttcccc taagctctct gtcccttctt cacgccgcat cccatgcctt gcgaactcct 120
tggagtaacc tcgcgttggtg gtcactgaaa ccccggtcga tgaaaggcgt gatgctttcg 180
tctgatggca ctctctcat gggac 205

<210> 35696
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35696

gggcgtagga ttgcangatn tctnacnata nnnaganncg ngaggggtag agngaggggc 60
 ggatgcaagc tacaccttgt ttttcttccc tgacacaaac cgggggggtgt tgatataata 120
 tcccatcgac accaccggga aaagggatatt aatataaact gatggagggc agtgacaata 180
 caccatacaa gaacagacac aatggtgaat tgcgacagaa aaaagttacg gcatattgca 240
 tatactgtgg tagcttgact ccaaagagcc tatccgataa cttaccaagg gccaaattaa 300
 aaggatatcc ctacacgaca ggggttaccag gggaaagaca acttccattc atatattaag 360
 gccgatatat catatacctg ctcagcagat ataaaggcta cgacatgaag atgct 415

<210> 35697
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35697

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 gcacaacaag ctttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gtcacgtac tcccacgtag cccatctcct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaaag gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt aaagaccaca gtaacaattc cttcgatcca attcgттаac 360
 ccgtggatcg actccaaaat ntactggaag tctat 395

<210> 35698
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35698

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 caagtattca gtggttctta gaacacttaa cctgaaagtc taagcaatta agatttaaca 120
 tatcaacaat gggcttgaaa tatngtagag tctactatct cttggagaaa tttcagttat 180
 aagagcaagg gtaacatgga tcaaacattt taatccatgg ctgactagtt tntgattata 240

taaaaacaaa gtagttgatg ttgaagtnta taatattaag aaagaaaaat ttcaatggaa 300
gttactttgc cttcaggagg gaattgatca atgtgagaat atataacccat taagttacat 360
t 361

<210> 35699
<211> 235
<212> DNA
<213> Glycine max

<400> 35699

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atgacctcca cggccatgat agaccaaatt ggagagattc cccatctgag atggaatcct 120
ccccatgaat ccattaccac agacgtctgg gtgagtcaaa gatgtcattg cacataggag 180
agaacgaatt gacatacctt cttcaaggaa ttcattggcg ctcacgtcaa gatat 235

<210> 35700
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35700

cttgacaact ccttgttttt attttatcaa tacgcagaga tgacagttga gagagtgatc 60
caatacttcg aaatggattt ccactgaatc tattaataga cagatagaga tatcttaatg 120
atgaaagttt tcaaaatgat cttggaagag caccaccaat taagttgttg gaaaaatcta 180
gcatgtcaat atttctaaaa gcctcaattt gatctgtcag attgcctgaa agttgtgaac 240
tccgaacttg cagtgttggtg agtncatggg aaatac 276

<210> 35701
<211> 273
<212> DNA
<213> Glycine max

<400> 35701

accatatgag tattgggata gggaagcgaa tcgtgggctc tatcacctga taccaaacca 60
gataaccacc aaagctatca actctaccat catacatact cgatgcagtg taattcccat 120

agacctttgg tacttttaggc tgggacaccc atcagctgaa agaatacaat gtatgaaaac 180
 ctattatcct cttctgtgac accctgtacc cttcacatat atattaataa acgaatgaaa 240
 agtcaattat taattaaaag tattttttaa aca 273

<210> 35702
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35702

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 tgggagctct tctttntca tgttctccat tttctttgat tcttctggtt tttggtctct 120
 cattaccatg agaggctaac ttacctattg ttgggggctt ggataccaaa cactgatgta 180
 atgatctcta ctattccatt aatgctattt taatgggtatt gcttccttct atgataattg 240
 a 241

<210> 35703
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35703

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 ccctgtggca tgcaggctct tttacttttt tcttggccag acccattcag cgtaggtata 120
 tttccggttg atgttataga gatgcgcctg gtgatcgta ccacaggagt ggtgcattgt 180
 gccacagtct tactgcacaa cttcacatat agaaggcgtc gtatgccag tagcatactt 240
 tccagacata cacgtatact cagctttgac gagaacaaac gatgaacatt ggcattggcga 300
 aactgatggt ttgacagttg accccacaga cctgaagacg agagccgct atcaccattg 360
 atatacagaa tcaacatatc gaagtcttgc ttcgcttaca caacagagta gtatgcggat 420
 gcttaaataa ttggcgcgga gaatgcgcac ctaatatatc atccatgcat actatgcgct 480
 cttganaag 489

<210> 35704

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35704

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 caaaacttat tttataaagt aaatatataa tataaattta tctttaatgt atattttttt 120
 acataaatta taatttcata aaataaaaagt attttattat cttattaata tttatatatt 180
 tgatttaatg acaatatctt ttatctatat taacatattc ttgttattta ttatattagt 240
 attgctttta tttatattta actctattta atcagatata aattttttta aaagaagnta 300
 aatatatagt aaagttacat aattactatt ttctattttt taaaatattt atgtatataa 360
 attaattcgc attatttttt tatctatgct ataataaat 399

<210> 35705
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35705

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 tctagagtct tagaaagggg atatgaaata ggaaggggaat tccaattgaa gtacccaaaag 120
 gtttggccaa gaaatttaag ttaaaaagtt tttttcaaca aatttactct ctggtaatcg 180
 attaccagag gatgtaatcg attaccagtg gccaaaactg atttacaaca actattaaaa 240
 tttgaattca aaatttgcatt tgtgtaatcg attacacata tatggtaatc gattaccagc 300
 agttttctgaa tgttttaatt caaattttta agcttgtaat cgattacaca tatactgtaa 360
 tcgattacc 369

<210> 35706
 <211> 527
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35706

tgagtnnanc nnnnnnnnnn nnnnnnnnggg gggtagctgn cacttagcna tcgacnnnca 60

agctttatta tttattcttt ctccctatta atatatcttg tgttggtaaa tccacacatt 60
taattaagtt actaagttag tcaattaatt aagctcagct taacatctag cagtatatat 120
aaacatgcac ggaaaggaag gatagtttaa atatatatat atattcttgt ggtatttcag 180
taacctacat aaattatcga ctctgttgtg taattaataa actctacgtc accagtatgt 240
agaatatata taaaagatat aaacaatgag caaacagcac cagtggctca gtggtagaat 300
agtaccctgc cacggtacag acccggttc gattcccggc tgggtgcatat tgtttctaac 360
tttttatcta tgcagtctca tca 383

<210> 35709
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35709

agttatatat ctggcagacc aatgactact atttgtgtag ctaatatgta ttaattcttt 60
atcattgaag acannaatth attccactta taacatatan gtttaagaaaa gcaatctcat 120
tgtttttaaa tatatttcta atttctagta tctttcttaa ttgntacttt gatatgttat 180
agtttataca ctattatntc tctcttttga taagggtaca tgggaggaaa taataattta 240
tgccaaaaca cagataaata gaactaattt ttttctcaaa atgacatata cangaaatga 300
ngcatacttt ttttt 315

<210> 35710
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35710

tagcttangg atagatatat ataaaattgg aatagctgag gacaaagctt gcaacataac 60
anagctcaga ggtagattcg gaaagataag tgtcttctac taaccaaacc aatgctccta 120
agttgataac ctgcttggac ttgccgcagt atgcaatctc aatcccagct accttaaagg 180
tagatgccta agcctcctta ttcttaacac aacacgcttc tttcatgaat aagctcccag 240
cccctaaact actgtaataa aacaagaaaa ggtgacaggt ggtactgcta ccatgtaatc 300

attccgtaag tatgtttaaa ttgctgtcac aaatttttgt tccanacaac ttgcaattat 360
 attaaaaaaaa ttcattctatc 380

<210> 35711
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 35711

agctaattgta ttctgggtac ccaaacctcg ataaccacag tgtgagattc atctatatca 60
 ttcccttcta tctctgccat aataaagaca gcgaaggccc taccgccttg agtgattcaa 120
 gagcaccttg gttgcttcac cagactaaca caagacttgc ccgctgaact ctcttgagag 180
 agcgatctct ctctctctag aatccacacc cagcagctct cagaccacaa ttgcagacca 240
 cccactata gccagaatga ctaaccggcc g 271

<210> 35712
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35712

tgccgccgcc acctgggact tttgtcattt tctttacca aaccagtcac tgaaaaagtt 60
 atgacttttg aaagaatctt cacaacaag tcacttgaag aattgtgact cttggaaatg 120
 tgtctttcga aatcagtcac tggtaatcga ttaccattaa ggtgtaattg attacacatc 180
 aacagatgtg actcttcatt ttgaatattg aaaatcttaa cgtgttaaaa cactggtaat 240
 cgattactac attctggtaa tcgattacca gagaataaaa ctctntggta atgattctgt 300
 gaanacttct tgtgtacttc aatgttttga aaaacttttt aatacttatt ttgatagagt 360
 cttctgttga ttcttgaatc ttgagtcttg aatcttgatc ttggatattc ttgaatcttg 420
 aatcttg 427

<210> 35713
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 35713

tatagaaact cagctcatgc tacaaacatt tataatagat ctctcaaca gccaaacct 60
 tttttctcat aattattatg aaccttccaa ccattggatc cattccaggt tggaggaatc 120
 atccaaatct gagatggacg agtccctcac aacaacaaca gcctgtcctt cctttctaga 180
 atgtgtgctgg tccaagcaag ccatatggt 209

<210> 35714
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35714

agccttgaac tattgtttct tgtccctga aaaccattaa ggtggtaaaa attattgggt 60
 tgaccggaat tgacatcgac aagtagtggc cacaaatgaa taaaagggtg acttcatact 120
 tttttcatcc aaacagaagt caaatcttac attgtgttgt ataacacctc ggacgaatcg 180
 caccgaaatc aaaggaatct agaggctcta cangtatgag actgtatagt tgaaaatgac 240
 ttaaaggaat taattgatac tacttatact aataagatgt atttactttt cggtagctca 300
 tcacataaga actccacagt taagccgtgt tgactttgag taattatgag atgagtgacc 360
 ttttgtgaaa tttcttgga agtgtgtgag tgatgaaaaa acatg 405

<210> 35715
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35715

gcttaataaaa gtccttagtg atccacatta tgcattgatg atagcattga ctgagatgat 60
 gtgcaaagtt gaaaactcta ctatttagtt gttataattc anacactttt accgagacac 120
 ttgtangatt gagagaaaca ctagccttgt gaggattaga agttgggtgat tattcctagt 180
 gatctgtcat tcttgctaac catttcattt gaagtacatc tttgtctact cctttcatga 240
 acttatgaca atttgtaact tgagaattga ccaatgaagc tttttggaat gtatgtagnc 300
 atctcatg 308

<210> 35716
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35716

tgctatctta cgcaaagagg ggtgctaate tctctgattn tagaatgaac tgacccctca 60
 cctagaaaca gctganacac gtatgtgtgg aatatactac tatttatatc aacatagagg 120
 ccatccaaca cattctaatt gtcatacata tatgcatttg aaaagaacat acattctcac 180
 ggcgcaaagca ttgcgtcaaa actcacactt aatttatatc ctaaacattt gctatntaca 240
 aactacctac gtatgtttga aatatatata atacaaattt ttattgcttc actcacattt 300
 attcatattg gcaagctatt tacattatgc acacacttgc attcaaaaagg gaattccgtg 360
 ctatcataca ttca 374

<210> 35717
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35717

agtcnacan nnnnnnnnnn nnnnnnnggg gnggtacgga cnttgaccgg anagncgtn 60
 aacntnatct agctaggcac cgcagggatc actatagaag tcganctgca tggccatgca 120
 agctnnatta aattcgntat atatggtnnn gaaaacaaag ccttgaccgg gcaggggtgag 180
 tacacttaag ttctcatcgg cgatcaatct ctcttcattt tgagttattg aatgacaaac 240
 cgccatgaga tcacattgca tataactcaca agagttatgt gtggagtaat aatactgctt 300
 tctctgtttt aatatgtcag atgatatttt aacttgcagc caatgatctg tgtttgctac 360
 atgaagagaa acaattttctc tataagaatt ttgacatgaa tgatatgggt gatgcacact 420
 atatcgctcg cattaagatt catacacata gatctctacg tatcttttgt ctatcacang 480
 aaacctatat tatcacaatt ctagagagaa ttttgatgaa agattgctcc ctagtgtttg 540
 ctccattgtg aagggtgata ccgctcagtt cgaccaatag accaag 586

<210> 35718
 <211> 288

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35718

 ctcccactcc aagtangcct gtggatcatt ctttccttta aatggaggaa tgttgagtnt 60
 aataccatca attcggtttt gtctaagaac accatcattc cctcttctcc tcctttcttc 120
 ttcattatga tctctattct ccatttgatc caacctctca tggagcgcat catctcgttg 180
 tttcattaac ctctccaaat gttgcatcaa agcttgcat tgggaattgcg aaagccccac 240
 tccatcatta agattagtac ctgacatctc atacaaacaa atcaaacg 288

<210> 35719
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35719

 agcttctata tttgctgaac cattntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgt 266

<210> 35720
 <211> 483
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35720

 aaccgcgtag gtttagtgct cncncntnn actacgctgg tcgaggacta ctcggggaat 60
 gaagaacata tgatctttga cgacgtcgag aacggcagag cgttgcgaaa tcttcacgga 120
 aaacgttacg gaaacgtttc ggaagcgctt cggcttagat tgtcttcacg gaaacaatcc 180
 ttccaagcaa attcgataga gagagaagtg cctaaggggc taaaccntt tcttcttcac 240
 ttctccccc tattatagca naatagggga gatggntgcc gccagctcg ccagggcgag 300

ccacgttgct tctccagaa gcaatagcct tctggaggaa atcttctgan gggcccagtg 360
 ngcctgggtgc tatttgcacc ccattttact aatacacccc ctttgcttat tttgggaatc 420
 tttttcgaca gttacggaaa ctacgaattt gggacgatac ttgttttctt ccgtatgtac 480
 gga 483

<210> 35721
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35721

agctcgtttc tttcacaatt gacaaaagag tggtagtagc agcctggctc caccatct 60
 gttaaagaac tcggctgctc aagtaaagaa tcatattcat tcaactatc ccccaaagga 120
 cacagctttc tttgatttca ctccatgtgt aaaaaccttt ctatttttgc ttctttttct 180
 ttcaactatc gtgcatggaa gacgcaaatt tgtgaagtgg ggtgtttgat attagaagat 240
 tgaagtgttg aagagtgggt agttaatggt tcaatggaca ccatagggag attagtgtgt 300
 gggactcata acaggaatga gtgtgttcct atcaatgctg atgaaactgc aagactgagt 360
 ggactctatc tgctgatgt ctcaattcat ctgaacagtt tgaacttaca 410

<210> 35722
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35722

ggggaagcat caaggggatg ctaactgggg tatggcggct ggtgatgata tgtattcatt 60
 gtacattcgt taggatcatt cacctagtta tgggtttatac atttnaattt ggagcatttg 120
 acacagaaag gtctaccttt tgacagaaat gggtattaac atatgttacc tacagcagct 180
 taattcttta taggtttctg cttcagcatt atatcttgct tatggccttag gttttgtag 240
 gttcttattc t 251

<210> 35723
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35723

agctctatatt ttatttttagt agtgacccac taacctagaa tgaaaataac ttantgccat 60
taacctacgg aattaaaaat aacttaatgg ctgagtgtga ctgacattat ggcaacaaaa 120
tgtcacccgc agcagccaac aagtcagcca cggtttggtc tcccaaaaag ctgatgccta 180
ggttgccaat tgggccctta ttacaacttg aaacacacct ac 222

<210> 35724
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35724

ttgaacgaga tcagtatatt cattgcacac ataaagtcgt ttacgtgggt ggngatatct 60
tntggggggc gctgatgcag tgaagttagt caatgcatgt aattnggagt ttttgataaa 120
cagtacctac aaaacaaaca ggtacagact ctcaactgctt gattntgttg gggtagacacc 180
aactgggatg acattctttg ccggctttgc atatctggag ggtgaacgtc ttaataatgt 240
ggtttgggat ttataacgct tttgaggtat atttttaaga tgtgatgt 288

<210> 35725
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35725

agctntgtta tttttctatg cacccttagg ggnnccatct tgctttggat ggtttcatct 60
tcatctcgtc tacttttaggt attccttttc tgtgttttaa gcgagtttcg accgatcggt 120
taagccgtaa tctcacttaa tcgatgttta aatgaatttc aaccaaccat ttgtgttgta 180
atctcgttta atcccccttc aaataaaatc cagccgattg ttcacgctat aacctcagtt 240
aaaaacaaa aaataataaa atatatgaaa ataataataa aatatatgaa aataataata 300
aaataattaa agatctaaaa ataagaataa ataataata atgtccgccg acatttactt 360
tg 362

acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
ctctctttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caacgagggg 180
gtgatgatga cataaccaat ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
gcagacttaa acaagcccaa cacatcatag agacaaagct ggtcatttgt atagctgtca 300
ttgatgatg 309

<210> 35729
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35729

cttcgattca ttctatgtac ccgtagtggt ccacattgtg ttttgtgtca ttttattctc 60
gnnttggggg ctttgtatac cccctgttga cgtgcttaag ccattntact taagtcattt 120
ctcgcttaac ttagaaatac aataaatntc caccgaacgt ttgaattgta ttatccatta 180
acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaan 240
agaggtaaaa aataatataa taattcaaaa agacatcttt tagtagaata aagcgganaa 300
tcaatcggac gttttctttt tgggatttct cattctt 337

<210> 35730
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35730

gtattannat ttcttttatt taataaaccc tcatcccttc acanattntt tttacnncgt 60
gttggttggt accctttgtg atgaattnng cgaactcttt gtnntcgtgg gagccagnna 120
atgacttgca gtagaagtac cgagaaaagt gagaattntt ttgtggagcc cgctgagcca 180
aagtgatgac gttgggatta ttttgggaga gagttgtgtt ttgttaatca actccttcat 240
aactagttcc ataattcttt tgttgaattg aggatgtaaa tcacaaattt attttccatt 300
atgcgaatga tgtgtactga gttactatac ctatatatat atatatnadc atttacttat 360

<210> 35731

<211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35731

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 gacgcgcggc agtttaacta ctttcgcgtc acagccccc nagaagcagcc ggacctcatc 120
 aatcaactgg atacactcgg agacattctc acgggacaca aattccaatt acacatgtac 180
 acaacactgc agatcaataa tcatataatt ggcattgcacc ctaaaatcta agactaaaag 240
 tgcgacataa atcatggctg agataataat atgctctatc agcaatgtgg aaagaccatt 300
 aatagtgcga acatcttttt gtttctttta atatgggtac aatgtaaaca tcgagtactc 360
 gatatttctt acacacaact 380

<210> 35732
 <211> 331
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35732

 tactaaagtc tcttatgcgt gtggatcaaa atgtatgcat gcatgtaaaa tgattattnt 60
 aggaaatcat ttaaataaac aaacatatat actatgcaga anatactagt gaagtagtat 120
 ctaacatgtc gtgaagatct tacgaactaa tcaaaggtag aaaatgtagg ctttctcaaa 180
 ggttacgaca ttaatattag tgttacgagt cttgaaaggc actataagtg tatggatagt 240
 gggccataag ataattgttc agcatcacgt agtgcacaaa tgtcacgaat ccaccaccac 300
 ataacatggc ccattcaaaa ctcaacgtac t 331

<210> 35733
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35733

 gcctacacat atgtatttgc caccttacct tagttagaaa taaaggcaat tatatttttg 60
 gcagcctcat acaaagcctt atcatacaag cggtccttaa caaatgtaaa agttgaaaag 120

aaatgttctt cctctagaga ttgagtgaca ttgagttaaa ctcaactaaa ttataaacac 180
acaccttaga catctntaat gaaggatctc agagatggat cttgcactca aaatctattc 240
ttgccaagat gcagcactag agatgcaggt gggatctcca tgaagaacct cactgctttc 300
aaaaacaaat aatgggtctaa tggctatcaa cctatcatg 339

<210> 35734
<211> 249
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35734

cactcagagt tgcgatgaag acgatggcac gggcaacacc agagttgcgg cagagacgaa 60
gatatgcaac agacgtgagt gaattanggt gtggagctaa taatatttta naaaatcgag 120
ttcattagca tcagttttct aaaaaaacg atgttaactt atcatttacc aacatcggtt 180
ttgtcaaaaa ccgatgtaan ggagtgatgt aatattaata tcagtttttt aaaaaaatca 240
tgtaactta 249

<210> 35735
<211> 293
<212> DNA
<213> Glycine max
<400> 35735

ggccttcctt caccttctgg tctccaatgc gaactttgac cattgttctt ccttcccgca 60
atgcttcttt tatagcctaa accatacttc ccacgatttc cttgagtatt tatcaggcta 120
gttatgccgc cgttgttttt tcttaaacc atcccggtt caaaaccgtt ccccaacata 180
actcgggcca tcattaccgc tgcacggac acacaagggt gcccaaagag ggtgtccacg 240
gaggaaatgc tgaccacctc aaaagactgg aaagcagttt ctaacgattc ttc 293

<210> 35736
<211> 332
<212> DNA
<213> Glycine max
<400> 35736

ctaagctctc acagatgtct tcacaataat catcacacaa cagaaaaacta ttatttctcc 60
cctcatattc tccaaaaccc cgttcccgtc gaaattcaga aggggaaggaa ttccacccaa 120
acctgaaatt ttgaagtccc actcgtagcc acgcacttca cgactccaaa aatgctctcc 180
tttcacgaat tggggcagaa atggtggcca aagggtgaag ctttgctttg agcttcaatg 240
gagaatgaag aagagaaagc tacgtgagag agggagagaa aaggcttctg aatttctgct 300
ttggctgagt gaggagagag aaaagctttt tg 332

<210> 35737
<211> 259
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35737

gttagtcttc tttcctgtaa ttaagaattt tatctagggg gaaatttaat taaatttgaa 60
ggttaaaggg gcccggtatt ggctataata attggttgaa gtgatgcang gaaatgtcaa 120
gcataactgc attgaaacca catgataaag ttcttttcaa aatgacagca aatttagtaa 180
gtgttctaga tcatggtcat tcaaaagaaa ttggattcat gagtcanaat tcagcattca 240
aacatactat ttgaatgat 259

<210> 35738
<211> 518
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35738

nggccgctta aangactgag agtgcccana ncatacacac acanccccgn aggaatctct 60
aganaacttc aattatggtg gacaatttct tattatcgtg ctggaaacaa atgtnctaca 120
cgtggagtaa tgacatgcat gcctctataa cccttaccac ccactctgac ataatgccga 180
gactcacgaa cgccaacagg cttagccttc tcttaataata ttgaacacaa ttcaatggct 240
tcttctgcaa tgtacctctt aacattggat gctattggac gatatagatc ctttgtatac 300
ccttttaaga tcttcatgta tcgctcaacc cggtagatac accgtagata aacaggacca 360
caacatttga tttctctgac catatgcaca atcaagtga tcatgacgac caagaaagct 420

agcttgccctg tcttatgcat cagtaatgat ggcccagagtt atgttgggga acggttacga 60
 acccggaatg ggtttatgca aagacaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcat gcggatatga agagaagcat 180
 cgcggaagg aagagcgggt gtcaaagctc gcgttgaga caagaaagtg 230

<210> 35742
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35742

nggtagcccg atcgtagcta ctgatcaana caaccagga actagacttg tagcttcatg 60
 cagaaacatc ttgttaatta acccaaatta gtttagagta gagaacatga aaatcggact 120
 tgctagtaga atcgggctgc ccatgattgg aatctgccct aataacgtgg gaaatgatat 180
 caatgggtgtg cgatatatgt gaaatgtacg ggcataaat tcctcgcaag atgaataata 240
 gtctcctaaa tgaatgttga tagcgtggaa tgccttttaa tgcaatatgt gcagatgtag 300
 tagctttcca tatgctataa atagattgag cgaacaatga catttgatgg cgacttcaat 360
 gttgtaggta gttggaaaca atgttaggta taaatagtgt aagttgacca cccttgacat 420
 gaagtgggtt ctttcagatg atn 443

<210> 35743
 <211> 220
 <212> DNA
 <213> Glycine max
 <400> 35743

agctctatgt gtgctgaacc actttatcaa taaacacgag tcgagtgtta ttcagaacac 60
 tagagcttat ctctcttata ttagtgagag tgattctcct aaattcttga gtgattcacg 120
 aacaccctgg ctgtgtcaaa ggactctcac aacctttgtg tgttgccctc gctggagaga 180
 gagattcttt ccttcctatc atctgcaccc ttgttctttc 220

<210> 35744
 <211> 264
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35744

toggttaaaa catccaaagg aggtttccat tgggaaatga caatgccaca cgaggattgc 60
gcaacttcac tccctaagaa gtatttgagt ggacccatgt cttttgtctg anactgacta 120
tggagacgag atctaagtca gagaataccc tcagaatcat tgtcaataat gacaatgtca 180
taaakataga caacaagcta catgcaacga ctagatggag aatggatgaa aaacaccgag 240
tgattagtct cacaatgggt catg 264

<210> 35745

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35745

ccaaccttgt tctttagatt atcgacagat ataaagctga tgcctagtag aacctatcca 60
cgcttgcccta tttgtgatga aggtagaaag aaaggatcca aactatactt cagtgaagag 120
atgcccaaca aaagacaaaa ggtgtagatc actaactatt caagggtactg gaggacctta 180
ttcagcaaca acaagttggt gaaggagttg gacaatcatg atgcttacac ttcattggaat 240
tagactgtat ggtttgatat aatgaatgtg tccacttcca actatgtaga ttggcccatt 300
gaggatgatc acaaggactc aatatagttg ttgcatccaa tgaaggatata ccaactctgat 360
gatgtctctg cttgctntat gaagaatcca aaagatggat tcatcaagca tc 412

<210> 35746

<211> 150

<212> DNA

<213> Glycine max

<400> 35746

tcaaccatta aaagaacaaa aaccacaaag caaggagcct tgtgtggtgg ctggccagct 60
atggatcttg agtggtatct ggaatttggc ctctggtaaa tcaataccaa tgggtgtgtaa 120
tcgattacag ggcttacaaa tggagacaga 150

<210> 35747

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<211>      268
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35747

ggctgcaact ttatattttg tctagagacc gctaccccag ccaagctatc ttggagaaaag   60
catancaact tctatccctg gaatacgcac ccattcttgcg aaatacattn tgagatgatt   120
cttatgacaa gtcattccctt tgtacctatc aaaatcaggt accttgaatt tcggtgggat   180
gacaacatcc ggactaaga aaatatcagt catgttcgcg aatggatagt cgccaaaagcc   240
ttcaacaacc cttaatctct tttcgatg                                     268

<210>      35748
<211>      176
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35748

taaagcatgt caaaagggga aacanattat aacctctntt tcaagcaaaa gctctgtctc   60
cacctcaaga ccacttgaac tgttacatat taatctatct ggtccaacta gaacaaaactc   120
tgtcagtggg aagagatatg gtctggtagt agtggatgac tcctcaagat ggacat       176

<210>      35749
<211>      127
<212>      DNA
<213>      Glycine max

<400>      35749

agcttcttat catttaagtg tctcatctca attcccaatc acagatatgt tatacataga   60
ttgtgcgagt catctcccat caaatcaagg ataatgcgca tgatcatcat ggatcaatat   120
gtcttttt                                     127

<210>      35750
<211>      260
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35750

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cgcccggttac aatcggtgag tacctcgagg aagttgagga acgggaattg gtaagtcatt 60
 caatattgaa attttaattt taaattcata tataaaaatg aaaatttgaa ttntattgaa 120
 attaaattac tttatccaaa caagaaaatt aaaatacaag aatttgaatt gcctcatcca 180
 nacaaaatat ttacaaaatg aaaggaatta aatcagggca tcaaaatggt tgtattttaa 240
 tttctagaaa ttttaaattct 260

<210> 35751
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 35751

agcttgctgt tgacatgtcg acaaggctta ttgaagtggc taacatgtaa gtagcctgat 60
 tattggctat agttcttgta gtttctataa tattctttaa tcgagatttt cctatgctgt 120
 attttgaatg tatagctatg tctctttata tcaccaatgt ttttttaatc agctaaagaa 180
 aatatattac tgatggtaca aggagtacca tgtctcgtat acgattgtgt gtatgatgcc 240
 cttcaaccca aaacaatgca gcctccctaa tgcagagaat aaattacatc ccattttaa 300
 cataacatat ctgagcaact gcaattgaaa cccgcagcct gcataacaac aaatcacagc 360
 tgtccaacta actaaactaa aactaat 387

<210> 35752
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35752

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 gaacttccgg gaaggccan atgggcctan ttgctatttg caccctttt actaaatata 120
 ccccttgcc tttntttgct gattcttttt ccgtaacatt acggaaaact atgaattacg 180
 ttatgatact ggtnttctt ccgtaatggt atggaacctt acggattaca taatcatccc 240
 ttttttgcc tctagaatgt tacggaactt tatggatcgc gactaacac ttcttntaa 300
 tttctggtat gttacggaac ttcacagatt gtgctacaat gctttctttt gacttccgac 360

atgtct 366

<210> 35753
<211> 350
<212> DNA
<213> Glycine max

<400> 35753

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caaaaggaga aagagaattg atatcatcag tgactaacag aaaatgaagc aaaacttgat 120
ggctcttttg attggattaa ttggtgcagc cgtcacctta tttgcttact cacaaacctt 180
cgtatcacca agtctgtgca tcacacttgg ccttattgtt ctcatgcatg ttgggcttgc 240
ttgtaagaga aggtctgata tctttctaata ttcttcttgg ttttcttttc cctttcagta 300
tttccttcat ctatgtatat gccttggtta tgtgcaataa taagtctttg 350

<210> 35754
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35754

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ctttgcttga tgacatgcga cctttctttg gtccttgcca ggtgcttggc acccatcatt 120
atggcaattg tgaaattccg ggacatgccg aanaagaaaa aaaaatattg atg 173

<210> 35755
<211> 377
<212> DNA
<213> Glycine max

<400> 35755

acctctggaa gtttttctct tattgaacct cctaaagaaa gctacataaa gctgcctcgg 60
taaaaacgct tcccagcctt tggttaaccgt tggatcttct ccaaattggg ctgcaccttc 120
acacgacact tgtccatgat atgaccgttg ggatctttga cgcaatatct ggagtgtgct 180
cgatgcttcc gttcccaaga gcatttctta ttttaagcact tcagcctttg ctgtcgtgta 240
gattaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc taaagttcca 300

agcaattttct ccatacccca cagccacccat tagccaccac aaaccatcat tggttctccat 360
tgaaaaccca caccgag 377

<210> 35756
<211> 281
<212> DNA
<213> Glycine max
<400> 35756

tcaagtgttc gcgatatgtg aaaatgatgt tccgagtact tcggatttgg tccgaccatt 60
gccctctgat ttccagctgg gaaattggcg aatggaggaa cgccccggcg tttacgcaac 120
aagcataatg taaaccttta cggttttaaa agctctatag ttgggcctat gcttttagagt 180
tttctttttt gtaaggcttt gtggcttttg tttttgaatt tataatacaa ggatctttct 240
tcattctgttc ctggtctcta cccattctca ttcatttgca t 281

<210> 35757
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35757

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ncaaantcca accctggtga gttttattcc acccgattcg gacatctgtg tgaaaagtca 120
tgatcatttg aatntctcga gagtttccga tgtttaattt cgagcgtatc gatataattat 180
aacctgaaa tcgacctcag tctgaaagtt atgaccattt gaatttgacg agagctttcg 240
ttgttcaatt tccaatatca ctgtatgtga tgcgcctcaa tggacattcg agttanatgt 300
tatgaccatt tgaatttctc aagagcttcc gttgttcaat tctgagcgtc 350

<210> 35758
<211> 202
<212> DNA
<213> Glycine max
<400> 35758

tgtgattagt agtatgactg aaaatggttag tcagtttgtc agattgattg tgaaggaatg 60

cattaactgt atccccgtga gagtgtgac ctttaaattt tgagagaaac gactatcatt 120
tagtactgga ttttgcata atctctgaag tatggactga atgcatgaaa ttgaggatga 180
tgaaggccat gtttgattgt ga 202

<210> 35759
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35759

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atgtcacata tgtggaggaa cacatgagtc agacttatgc atggtccaag atgacatata 120
caatgaagtt aactacatgg gcagtcataa tcatacagga ttccatcaaa gaggaccacc 180
angattctat cagagcgata attttttgcg ggaccacgat tggagatatt atgcaagtaa 240
taacttcaac caaggagggtt gaccctatca tcatactagc cagggttcga gtcagcaaga 300
gaagcaatct ctattatag aggaaatgct ctta 334

<210> 35760
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35760

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accctcggaa gcggaagaa tagatgggaa atttccaatc aaagaaaagg aaagaaggaa 120
gatttccaat caaagagaaa gcaaaaaaag aaaagaagga aaattcccca atcaaagagt 180
gggagaaagc aaaaagaana gaaagaaaat tcccaatcaa agaattgggag aaaagtaaaa 240
aggaagaaga agaaagaaag aaagctcctg atcagggatc gaaggaaaac agaagaaatg 300
tgcagaaagg tctttggacc ggacaatatc tgaacaatac agaattgtca ccaaatgaa 359

<210> 35761
<211> 346
<212> DNA
<213> Glycine max

cacattagct aaagctttgt tagcctgtga tggatgcatg acaatcangt tgttgtgcta 120
gatg 124

<210> 35764
<211> 269
<212> DNA
<213> Glycine max
<400> 35764

atccttcttt tggacctgc atactataat gctgagttgc tatcaggaac agcttctgaa 60
acaatgggtt gtaatatatt taatgaagag cattgaatgt actcaatggt cagtattgaa 120
tacattacgg aattaattgt ccgatagcaa tgactaatga atactataaa acccaatggt 180
atgctaaata cgctagata tttaaatttat aaagcaatgc attccataaa attaattcta 240
actaccaatc aacctgttac tatctcgac 269

<210> 35765
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35765

actcacgtc aatccatata ggcacgtcc tcacatgtc tggttncata ttattatctg 60
gtttccattc tttaaggacc ataggcatac ctctaattga atagggaccc ttgaccaata 120
cagcttcctt atcttcgtgt gatgtgaatc tcacaaagaa ataaccatca tcgtgatagt 180
atagatcacg aagatgaatg aaattccatt gacgtccat gataaccttc accatattca 240
tgctaagatc atctccatt acatacataa ttagggcatt ntccatagaaa cgtaattcag 300
attccacatc ttcatcttct a 321

<210> 35766
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35766

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ctaacgcgcc tacaaaggcc caaagtccac ttcagcagct ataaacagag agccagtcca 120
 agggaaacaa gagaacacca ccacagaatc ccctttgggg gaaatcattt tctctctttc 180
 tttcattttac tccctttctt tcaccccccc tcattgtaaa aagccctgaa tggccatagt 240
 ggctaaaccc tttattatgg cctgacagcc tataaaccaa tgcgatgtat gatgtactct 300
 tcacttatta tcaatgcaat 320

<210> 35767
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35767

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 atattaattt gatagttatg tttcttaagt gagaaaatat tgagattctt agagcatctt 120
 tgggtgaaga attcattttg gattcttgga ttattnttta tgggtcatat gatgctatat 180
 agaatgcaac aacttctatc attttttgct ccaatgataa aattcaattt gaattcttag 240
 actttacttg cacagaatna aaaagaggag tttttaggag ttctttctct aaaatccaac 300
 ctttatcatg aaatactc 318

<210> 35768
 <211> 167
 <212> DNA
 <213> Glycine max
 <400> 35768

ggttatttat gtatgggtcc tcaagtcata gcggcgatc atgctgtcca aggccctatg 60
 tgaacctcca aactacctat aacgaatagt atgccatga tctgctctat caacgccata 120
 aagatctgct catccaggac tttgaataac acatattcag ttttaata 167

<210> 35769
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35769

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 cctctgggag cataattcta aggggaagcca ttcttcctaa aacatctatc aactgtatga 120
 ttgtctttgc cacagtaagt acatgaaaat cctgaattcg atgagggttggt gcttgctgca 180
 ttgatcaagc tactgtttcc tatcatatca ttgctattaa tctatctttc ttgttgaatt 240
 gcataagaaa agactctagt tatgccaggt aaaggatcca tcatcaatac attggatctg 300
 acagtgttggt actgatcatt taatccccta aggaattgca taactcgatc ttgcttcttt 360
 ctttccataa cactaacaag agcatcacat gtacatttta gattgcatgt a 411

<210> 35770
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35770

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 gctcacctcc ttgagatgag aagctagagc ttaactacac acctcctata atagctaagc 120
 tcacccccat gacaaaatac atgagaatac aaaaacaaat ccctactaca aagactactc 180
 actcanaatg cctcgaaata caaggctaaa atcctatact actagaatgg ccaaaataca 240
 aggcccaaac gaagcanana ctgattctaa tatttacaaa gataagcgag ctcatactta 300
 gcccatggac tcgaaatct 319

<210> 35771
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35771

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 cccagagggga agctcccca gttccaactc cgaacacgac tcgaccggcc ggtaattcca 120
 acacgacaag gaacttcctt ccgaggccat tgccggaata caccctcgctc ccaatgacgt 180
 acgaagatct tctaccatcc ctcacgcca atcatttggc cgtggtaact cccggaaggg 240
 tcctcgaacc ccctttcccg aagtggatg accctaatac aacttgcaag taccatgggg 300

gtgtcccggn gcattctgtc gaaaaatgct tggcccttaa ata 343

<210> 35772
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35772

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tggattatgt gggctcttgta gagagtttgg atgcgaccga aatcttcctt gggtcatctc 120
ttgctggttc tcaccactag aagtagatag t 151

<210> 35773
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35773

aaacatgctn tgttataatg tttttgtttt tagaaataat cacaaaatgt tgctctgttt 60
taatgggtgt ctatataaat cttcaaaaca cgtttacaga gtagcatttt gtaattattt 120
atganaagtt aaaaatagaa cacgttctct ctagccaaat aatcccttan gaccttttca 180
attaatgggtg ttagaaacat ttattttata catatatattt agaaacaagt ttttcgtgta 240
ttttaaggt tggagttgtg ctaatggcca taagatgttt cacatggtag agggggaaga 300
acaagtctga ctttttagct tttttntttt tttgtgcgtt agttctcatt gggtgatgt 359

<210> 35774
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35774

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gtcaccctgc aggaagacaa gctggcggat tttctccttg cctgaagcag aagccgacgc 120
acaccctaata ctgctcaata atgcaatgg atccataaac ccaacataga ttactctacc 180

ttcattggcc acatgatata actagaatgt gacatgtgct tatcatgaag gattaccact 240
gcataccatt gagcactgta tgaccttgat acatattgtg caaagtctga ttgatgcaag 300
ctggctcaca cttaatgagg acaatcatgt gtgaattctg acatcgtaa gagataatat 360
gcatgatgct tgtggcaatt tgaaggccgt tgtcacatgt tttcaaagac tcattaacac 420
tttatgttta agctattact gtcaacaata gtcacaatgc taataatgta tatgaatctg 480
atgtcactcg ctcttatcg 499

<210> 35775
<211> 494
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35775

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acaagcacia agcnattctt catctttcac aggagacacc atggcgagca caaaaangng 120
gcnnncacac tacagacgaa canggaaggc taaacactca atgcaattga aggatccact 180
ccaagcaaga ctaaatttga gttatggtct agtattttta aatgacgtgt gaatcgttca 240
acttatttct tcaatcctat tttcaatctt catgattgtg aatgggctta agattgaata 300
tgaattattt tanggaataa tttcctaact tctactttat tcacatatta tttagacgat 360
attccaacct aatcttatat ctaaattgatt tgtgngatta aattagattg aattaactct 420
aataacattg attgaacctt ctacaatttg atcattctct acaaaaactgt gaatatttca 480
atttgcattg gatn 494

<210> 35776
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35776

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gatttacatt gtcgtttgat tgcagctgta gatattctac catTTTTTat atagaaaata 120
ttcaacatac atttgtgaag aaaaagatat gcactctagt cacaccagaa aaactaattt 180

<210> 35779
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35779

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gnctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa gagtgattct 120
ttccttctta tcctctccac ccttggttctt tcaaaccaca attccagaan atccacctct 180
gcccagaatt atctcgtgac cataactccc attttacaca ctcaaattaa gtgattcttg 240
atcctaaatt gaatttcaaa acgagatctt tcacctcggt ttggaatcac ctcatcttga 300
g 301

<210> 35780
<211> 353
<212> DNA
<213> Glycine max

<400> 35780

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ggtaaatggg ttcacttagc actaatggga gaagcagaac ctgtcacttt cccagaagca 120
attaaaaagg aagtatgggt agaagctatg agagaagagt tgaaagccat atagaggaac 180
aagacatgga agttggctag tctaccaaatt ggaaaaacag ctataaatgt cacatggggt 240
ttcaagaaca agctcacacc agataggagt attgctaaac acaaagccag actagtggcg 300
aagggtgta tgcagaaaga aagctatgat tacaagaag tctttgcact ggt 353

<210> 35781
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35781

ataagtatat tcactaggag aacatcgtag tggaaggaaa ttgtactgat gtgattcaaa 60
agatccttcc acccaagcat aaagaccctg gaagtgtaac tattccttgt ttaattggag 120

aagtcaccgt gggaaaggct cttattaact taggagccaa aattaattta atgccactct 180
ccatgtgcag aaaggtggga gagttggaga tcatgcccac tangatgact ntacaacttg 240
ctaaccactc cattaccaga ccatatggag taattgaaga tgtgttggtc agagtgaaac 300
atztatctt cctggcagac tttgtggtaa tggata 336

<210> 35782
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35782

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cacctgcggc atgcacgcan gtcatgtttg tttgtttaac cagcacgcac agcggtgagg 120
gtgattctat taatatgacc cactctctc acaataacct aactattatc tatatcattt 180
ctatggcatt atgaatgaca cgatgaactg acatacagt tctataaaca tcaactggcac 240
gtggaatttc tatttcaaaa ataaactcaa gtcataacga taatgtacac cagatatata 300
ctatgcaaca taatatttgt tagcaaagac atctctacac aagtaaaata ttgttattcg 360
gctttcatac tataaaccat ccctactcca tatatgcttt actgatcgag tgctttaact 420
ttcacttttg tatgacagac tattcgtcaa aaaaccgcga atagaaactg acttgtctat 480
ctagcatttc ggactccc 498

<210> 35783
<211> 336
<212> DNA
<213> Glycine max

<400> 35783

ggctttgaat gatgcatatt gtcgcttgat tgcaccggaa tattttacca tttttgtata 60
gaaatattca acatacattt gtgaggataa agatatgcac tcttgctgca ccagaaaact 120
aatttgactt ttattttcta acaggatatat actaattaac actgttaata tattaatctc 180
tatatgtact ctctcttcta tcgcacttta atcttatatt tttcctctat attgttttcc 240
atctcaatac atattacatc tatgcatttt tttgctatta ttctgacag agcaaaaact 300

atgttgtctg ccatggctgg ttcccttttac agatct 336

<210> 35784
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35784

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 gatctgcaga tcacatagac cacatactct tgcgacaggt gtagatttct gattcatggc 120
 aagctgagtt tctaagggtga ccaagcaatc aagttttccc tcaagcttta ttattttcag 180
 aagatgaaga tgaatctatg gccacctcat gaactcctct ataacaatag catcatctct 240
 tgcactgaat agatgggagt tctaagccat cttcttaatt aaatgactca cctcgacagg 300
 agtcatatcg ccaagagctc caccactggc agcatcaaact actctttctac atgctgctaa 360
 g 361

<210> 35785
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35785

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 gcgcgagaat ngggagctct gggcatctgt gttttgttga tgcatacgca agngcaggag 120
 aggatgatga anggatgnca ncngcngcgg ccctggcanc cctngntcgg gaggccagct 180
 gtagtgaaaa gaactcanaa ttacaccttg actacattta ttcaagttgc tgatactgac 240
 aatgagcgct tagagggata caactctctt agcgcatcct caaaaatata acactatggc 300
 ttagcgcaac aggggtgtgt ttaacccaat ccaagcctca taggggcatg cgcttagcaa 360
 atgatgtaat tattgacgct gctatgacca ttaagaaatt ggggttagctg gcatgaatag 420
 cacttagcgg attgacccca attaaaccac atccaatcgg cgttacggtg atgcctcgct 480
 ttagcagcga aaacaacccc cg 502

<210> 35786

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35786

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 cctccatgtc agcttttgga cataagcaca tatgttcggc ccttagcaat cgggctccca 120
 accaacaggt tatctctaac ctcttaatgt aaccacttta tctcttggca tgtattcaat 180
 tatctacaaa gctacatatt atctggaagt aataattatc tactagtttt atctctaagc 240
 tatacattat ctataactnt atctatataa gctacagatt attgtctaca agcaatgatt 300
 atctgcaagg gctataat 318

<210> 35787
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35787

accacactat ctgttttttaa taattctagg agagaggatt ctaggcttgc ggaagtgtca 60
 ctgcctccgc aaaccagtac cctccctctt cagttcacac aaccctgtaa taaagatgag 120
 tattgtttct ctgcttacc tgcaaattac atcaaaacag cattaaagaa gaacaataat 180
 aacaacactg aanaacatgt gaagttoget gaagttatca ttcatgtcat gccattattt 240
 gagcaattaa aacaaataag ctntaatcag ctagacaaga aaatatgtgc gtgtgtgtgt 300
 attattttaga ccaattccta ttatcctata gtattaacta ttaaatagaca acanaaaatt 360
 tggagccaca taaaatattt atatttttaa ataatgattg atcatntgtc ttgacttaat 420
 gcacatgaat atctg 435

<210> 35788
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 35788

ctgagtttgt gctcgaaggt cgcgcatagc accaaacact cgaaaaatac atgatgagggc 60

tatgtcgttg tttegtttca tacagttggg tcaacgatat gtgactgacg agacctgtga 120
 gtgaatgtgc ggagacatcc cttctgagat cagcgtgtaa tcctcccact aagcaataca 180
 atagagcctg ctgcgttatg acttggactc gactagctag agccaggaac tgcacgtata 240
 ctgactgaac tgaaccaatg tgacggagtc 270

<210> 35789
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35789

agcttttttag attgacacat atcttnaaac tattgggaaa agacacaatg ggcctatata 60
 tatgttttgct gacttcaaaa agcaacagag agatttcaaa agacaactta attgtcaaat 120
 gctctctaaa aaactatagg tcaaacactt tcaaatcaat tgagtattct tgtaagatct 180
 tcaatttgta ttatcatctc taaaagagag aaattcttct gtacattcta aatactgtgt 240
 tgtgatcaag agattgttta tctctagact tgtgagaatc ctgaacacaa tggagacgaa 300
 tctcaaggtg tgttcagaag ttgcaaagag tgtacaaaaga tagcggaaaa tctcaagtgc 360
 gttgcttgat gacaggacat agacacgaga agtggtcgat caagataaaa 410

<210> 35790
 <211> 169
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35790

atccttatgg cctgcctccg gacttcaccc gccgtttcat ccttanatat ntaagccaag 60
 cccctactgg agaggggcaa ctcccacctt atgaagacta tcccaggcaa gacgatggag 120
 aaggagatac ccatcttggc cccctgccga acatagtccg taatacccc 169

<210> 35791
 <211> 91
 <212> DNA
 <213> Glycine max
 <400> 35791

tgaagccttc cagcctgggtg atttattgat tgaaggccgg tttgggttgg ggttaagggtt 60
 tgagtttgtg tttgagggtc gtgttttggg a 91

<210> 35792
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35792

tatactaagc tttgttttgc tatgtaacac acttaatcaa ctacaagggt tttttttatt 60
 ttcttaaaaa acaacctctc ctacccttgc tttttgtaat ggaataaacc aaattaaaat 120
 ctgcaatggg aaagaaaaag tacctctcat actataatag aagaaaggag gtcattcatg 180
 taattgggtg taaagtagtg gtgtttctac tcttatttct tacatangaa gccattccat 240
 tcatgagacc atttgtgtat ttccagtaat aattttcaat tcagaaaaac aatcaactaa 300
 acattctcaa gacttactca ccaaattaat atcattgttc cgccatanga agccatgcta 360
 tttcatgaaa tatgaaaacc tttttacctt ggttgggtt 399

<210> 35793
 <211> 246
 <212> DNA
 <213> Glycine max
 <400> 35793

tcaagcttct tagtttcaga tgatgcagat gggttttag ctacctcatg cactcctcta 60
 atgactatgg catcatttct ggcgctaaac tgctgggagt tagaggccat cttctcaatt 120
 aaatttctgg cttcagcagg agtcatgtct ccaagggctc caccactggc agcatctatc 180
 atacttctct ccatattact gagtccttca taaaaatatt ggagaagaac tgttctgaaa 240
 tctgat 246

<210> 35794
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35794

ttaagctttg atccaattca aatgacaata aattntttct cagatgtctg attgagtcca 60
 ataataataac gagacgctcg aaattgaatg ttgaagctct aagccaattc aaacgacaat 120
 aactntttac taggatgtct gattgcgtcc cgtaacatat cgagacgctc gaaattgaat 180
 gttgaagctc tgagacaatt gaaacgacaa caacttttta cttcgatctc tgattgagtc 240
 ccgtaacata tcgagacgct cgaaattgaa tgtggaatct ctg 283

<210> 35805
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35805

tcgcaagctn tttagtgtta tttantgtga ctctttcact ctttaaattgt cgagatttca 60
 accgtttcaa agacacttgg tacatcgatt accagaaaaa ttgtaatcga ttacagccgt 120
 tttgaaaata tttggaacgt tgtaaattca gtttgaaaac attttcaaac tcattttgct 180
 actggtaatc gattacaaca atatggtaat cgattaccag agagtataaaa ctttttggtt 240
 aaggttatgt caaaaactca tgtgctattc anagtcttga aaaaactttc taatacttat 300
 cttgattgag tcttttcttc attcttgatt cttgagtctt gaatactgat cttgaatctt 360
 gagatcttga gtcttgattc ttgattctgg aatcttgatc ttgattcttg agatc 415

<210> 35806
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35806

acgcctctc tcacttcttc tcctttatct tctactgcat atccatgggtt gaanatcacc 60
 attgaaggac ctcatgaag ctcaaagatc cagccttcat agaagcttct caagcaagct 120
 tccatcatgt tatagagaaa aaccaacttt tacaaaatac aaaagataag cacctctttt 180
 tcattntctt aaaaatgaaa agagtctcat tagtatttct taagggtgtag agcatthaag 240
 tagtctaaaa cctaaatgat cattngttaa atattngact tttagtttct ttga 294

<210> 35807

<211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35807

 agcttcttta tttactgtta atcgcgctga atcgngaaac ggcaattcca tgtatgattc 60
 actcacgttg gcgagggttat gattntgaga ggcaagtgc cagtgttgca gtcgagaatt 120
 acagtttctt tcattaggac caagtcgaac tttgtggtat tcctgtggag agtgctcgtc 180
 agagattcag attgtgcatg tttgagaaat ttgtctaatt tatttaggat aaattatatt 240
 gtcttggtcg aaacaaatta tttttcgaaa gtgtcaaagc tctttagaat atatatctaa 300
 taataagaag catgttctcc atgcatgttt ctaattta 338

<210> 35808
 <211> 502
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35808

 agggggccgca tcgtccattg atcctgnacc agcnaanna annaanngnc ngaagatctt 60
 actccactca gtcgctagaa tacggaaaat ctattttttt tcnggaaata caccgcgata 120
 atatggtatg cttgttatgt gccacgttcc aaccattga tgaatagcaa cgagtagcag 180
 caccctttan ggaggggtgac ttcgtttatc gctcaaccac gcagtagact ttaattgtac 240
 caatgaacgg cgtggtaaag agttaattgc tcttggcatc ttgtggcaca ttgagaaggg 300
 gccccctnn caaagtggtc ctccnagag caacatctcc tttaggaaaa ttcttagggg 360
 gacacaaccc ctttctgtta ttttccccca tttttcatta taaccccccc cccttcttgg 420
 agaatctttc tcccaaagag caccacccta aattttcccg atactgtttc tttcataatg 480
 tacgaacctt cggatacata ac 502

<210> 35809
 <211> 345
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35809

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 ttttacgggt tgcgatggat gatctgcgag aatctatggt ctatccgact tcatttatct 120
 cagtgaagtt ttctgcgctt ccacgatgca aatatacggg ttgcggttta cggttccttt 180
 ctatttatatt attatcggag ctttcataac gatcggnecat accctcattt ggggtttggg 240
 gagagtctct attgacgttg ctgatcaagg tgaaaatatt ggatctttga tccaagtctt 300
 caatggggtt tgatcttgat gacgctgac ttctcgcac aacat 345

<210> 35810
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35810

agcttccatt gttgagtttt tgcttccctt ttcacgctnt aattcactcc ccacaagtaa 60
 gtgcaatttc ccttggttat ttggtctctc attgatgtgt tttggtgctt tagttgctca 120
 ttntttgcaa aattcgtgaa gcaatttgca tctgaatcca tgcttgattt cttgagttaa 180
 agatttgaat gagaaggcct tangcctatg ttgtattctg aagcaatggg gcacgccaca 240
 ttgtcccat tctcttgcaa tntgtgtcca aacatgcgcc caccaagtgc tcgggtgaaat 300
 gcccgaatga tatatgaata tgattnttgc aaaattggga tgggtggggct gttttatgta 360
 tgt 363

<210> 35811
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35811

taagaggtgc aaattaaata ccatttgata ctgagacaat gtgacaagan atgtaataaa 60
 taagacccaa gtgtatacga taaaattgtg acagactcca catactacac atgtaaaaca 120
 ttaacaagcc atcctgattc ctaaacacat gatatgcac ttcatTTTTca aagccacgga 180
 ctgaggtcca tcatctacac caagcttctc aaggctctca taaaaagcat cgggattttt 240
 cttccacaac tcttccacct tatttatTTTg ctgttcactt atttggcgag cccttaactg 300

cttcttaagg tataagactt gtatattctc tatgtgataa cctaaaaggc actttcttga 360
 agcatcatat gatatgccaa aatcatcaca ttctaataag cattantgta agttaataac 420
 tatttcttga agtttcaatt actttt 446

<210> 35812
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35812

aaaactagtc actaaaaaag tggtagcttt tgaaaaaatc ttcagaaaca agtcacttga 60
 tgaattgtga ctttttataaa tgtatttttc aaaatcagtc actgggaatn gattaccatt 120
 taagggtgtaa tcgattacac atcaacagat atgacttttc atttttgatt ttgaaaatta 180
 acacatttag aagctctggg aatcgattac aagtattttg taatcgatta cacaagttta 240
 aaataactcta taactgggtt aacataagtt ataactcttg agaattgaaa tcttaacggt 300
 ctatacactg gtaatcgata ctaccttctg gaatcgatac cagagagaaa actctctggg 360
 atgattt 367

<210> 35813
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35813

aattgaagga ataaaagagg gagagaagtg aaactttgaa gtatgtctca caagactctc 60
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtaacttcct 120
 tgagaagatt tcttgagaga acttccttga gaagcttctt tgagaanact tccttgagaa 180
 gctagagctt agctacacac acccctctca taactaagct cacctccttg agaagcttcc 240
 ttaagaagct tcctaaagaa gctagagctt agctacacat acctctctaa tagct 295

<210> 35814
 <211> 466
 <212> DNA
 <213> Glycine max

acgattcttc tgcggcttcc acataaggca tgg

333

<210> 35817

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35817

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gtgacgtggg aaatgctttt caatggtatg tggatatatg tggggcatga nnatccttgc 120

caagtgtgaa tgattatttt cctaaatgga tgtatgatag catggaattc ccttttgaat 180

gcaagtatgt gcaggatgta attagctttc caatatgcag aaacaataaa atntgtatga 240

tatatattcc acatgtgtgt agttagtttg aatagcaagt atttaggata taatttagtg 300

tgagtt 306

<210> 35818

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35818

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cggggttcga acacaacctt ctttctccct ttgatggctt gtttagcata gcttttactt 120

ttcctctcaa ttgatctttt gactctataa tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaan aacagaaaca ttatgcatat gcaaaagatc aagaggagtt 240

agtggattaa aaccataaac aacttcaagg tttaagaaaag aagaatcatc ggatgacgcc 300

gatcgaacat ttcctaatag acatcatcca aatattattc 340

<210> 35819

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35819

actcgatga ttgattgagt cccgtaatat aacgagacgc tcgaaatnga atgtngaagc 60

<223> unsure at all n locations
<400> 35822

attcatnecat cctcaacatt cgcctacaat gcacatgtaa gcggacacat cacatcctaa 60
acaaatcaaaa aatcaaaatc cttcaacata ttttgaaacc tttatatattt ttgtgtgttg 120
gtgagtttat ttccattnca agaattgttt ctaactcttt tgcgtgtctt tttcaaactt 180
ctanacattt tgaagatatt tgacacattt caagagctct anaacatatc aaattgtt 238

<210> 35823
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35823

agctngcact tttttttatt ctgtgtaatc aagagatatt tcaattgttt ttttatttga 60
cgttcaacta atttccctct cattgaattg gtctacttta aaataaagtg atatttagaa 120
taaaaaggga attagtattt tcatatagca tgcacgcaa tactagctac tgcagttntc 180
tgatatctca tctacgctgg aaatttccac ttgtctgttg aaataactctt cccctgtgag 240
tctgtcactt gtggagaatt ataataactt cgaggttggg aaataacatg ctcatgttct 300
ggaagaataa gaacaagaag t 321

<210> 35824
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35824

cacatgtggn actaggcggc ggtcgggcc tgggtgcacaa caacattttc acatccacaa 60
tgcgcgcata agcccaacct actctgtagg ccacctccat ctgagctcac ggactccac 120
gtgaaccata ttctcgtatc tctcaacagc gggaccccat ctatgctctt aagcttgac 180
aacatccaat cagaacaaca ttcagacggc tcaaggatc acagccatac aaaacatggc 240
agatgcagaa aactctgtca taacaccgac caaatcacia gctttctcac ttanagacce 300
cagtaactat tctttcgatt caattcgata accgttggat cgactccaaa attctactgg 360
aggtctatga gacattatac cacattgtga ccgtngggat cag 403

<210> 35825
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35825

aaattggatc atcctactag gacgactgag anaactgggg caaataaaga gggtagagaaa 60
 gagggagagaaa cccatgttgt gactgccatt cctgtacggc caaatttccc accaacccaa 120
 caatatcttt actcagccaa taacaaactt tctccttacc caccaccag ttatccacaa 180
 aggccatccc taaatctacc acaaagtctg tctaccgcac tttcaatgac gaacaccacc 240
 tttagcacia accaaaaaca ccaaccaaga aagtgaattt tgcagcgaga aagcttgata 300
 attcacccca attccagtgt cctatgctga cttgctccca tatctacttg ataattcaat 360

<210> 35826
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35826

agctntgtca cttntgttgc tnccatactc aaatttagat gggtaatatc tggttggtgtc 60
 tegtctctgcg cgatttatat ttgaaactnt cggtgccacc agtgtacttt aatttactct 120
 taatttaatc gcaatacact aaatgaaacc aaagttttct actctcctgg tatttaaccg 180
 gatcttactg gatcacactg aatcctgtca gattacatat acgaacaaaa ctatctaagt 240
 ctctttttca tttactatct gctgctgata tgtttaccat agaactatat tt 292

<210> 35827
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35827

tcacgacgcc actagggcgg ngttcacata cctgctattt gattttttac ccggccaanc 60
 cgatcacctg cggatgcgca ctcttatttt tcttagcgag tccacggctg tttacattcc 120

taagggaaag tataaaacgg agatggtaga ccaagtctga atcattcggt gagaatggct 180
 cctgccgaca agacacacag tatagctgtg cttcangtcc ttcggtcagc taaaccaat 240
 ctacgcanag ctattataaa tagttctgac aaaacgatca tctacgctat ttgtgaaatt 300
 tgtgacaatt tgctcagtgg aaacattcca cttactgcta gtc 343

<210> 35828
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35828

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 gaagttcgaa aagttagtagt aaattattac cgttaaaagt aatcaaatta aatatatatt 120
 aatacagttt atccaaaatt taataagatg tttacaatta ttttcatcan accattgtct 180
 catatattct atttttataa tatagtgagt ataattttat ttgcaaaana attaaattca 240
 agtatttttaa agaatttaaa aataaatata tatatatata tatatatata ttantttaat 300
 tacatatatg tatagatatn aaatatTTTA ataaagtgc taaattataa tatacatata 360
 tt 362

<210> 35829
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35829

tctcttggtt taacctccat tgatggacga acccggtggt gtgtgttagg tgcaagccaa 60
 tgcagnttca tcttgataac ttatgggtgc acttgacgtg tctattgtgg tagtggtaaa 120
 tgagctatgg catctgttgg aagagtcttg aaagccttag atggtgtgtg ctcatagtta 180
 tacttctttc atgttgacgc ttggacaatg atggtttcct tctgaagaga ctcaatggat 240
 atggactcat ggaaggaaga ttcagatatt ggattaccaa taacgaatgc taaaagaaat 300
 ctttgagcat ttgtcaatgg ttccttttgt tgaatagctc 340

<210> 35830

<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35830

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catccttaat gatgtcgaac tcagtaatat ctataatctc atatgcatgt cataacttgcc 120
aaatagcctt gacaaacctg gccttttgct ttttaaacac catttcatga gcacctcgcg 180
ccagaatttg gtattcattc ctccctttct ctatcttcta ctcgcccta gacattggct 240
ctttcatctt gtgcacctta tccttctatc agacactaat gtcattatgg gaatatcgat 300
cgatatgata tgtagattct tgctaatcga attatgatat ttggccccag ctatcacacg 360

<210> 35831
<211> 109
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35831

acgctcgccc atgacaacat ataggataga ctcanaccct tagaatgtgt ttatttgata 60
ctgagcaatg gaatcttgcg gagcccagta catagggtag cgataaata 109

<210> 35832
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35832

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tgngaaaaca ggaaaaaaaa acagaagtga ggattgaatg gcataaccat gaatccactg 120
acaacactgc atactacaca attgtttcaa atgtcttgac cacggatttc ctctactgag 180
ggtagtccta taagctcaat ttgaggggtc tctagttgtg ttgagttcaa agaagcattn 240
tcaattcctt taatagagtc atcatccatt ggtaaagctc acatcangga tatgctagag 300
ctatgttatg aagaatgaat agttattata aagcacaaat actcaaaata tctatcta 358

<210> 35833
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35833

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 taccatgaga ggacagagca catagatgcg aaactacact tcatcagaga tgtgattgaa 120
 tctgagaagg tgaagggtcga taagggtttca acagaagata acccggtga tatgtttaca 180
 aaatccctct ctagtgtcaa gttcaagcac tgcttgact tgataaattt tgaggatgcc 240
 taaagcacat tggtagaagt gcatccctga atcgcaagat aagcacttgt tgatttggag 300
 tcaaagtgga gatttgtggt gtgtgactca naatcacaaa tggcacaagt gggaagactt 360
 taagaagtgc tatcataact aaattcagtt atgataactg aatctgtttt ggcaccanaa 420
 catagctaga atgagtgtgt gtgatataata tatatatata tat 463

<210> 35834
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35834

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 ctatttccca tctccttctt tcttttttcg attccagttg ctagtcatta taggatctcc 120
 attggagctc atgcttccaa gaagatataa catatgtcaa cctatatcta aacatgcaat 180
 ccaacttcat ataaattntt tcataaaatt agtaaatact caacaaaata tcatgggtgga 240
 ttattcgtac ttccattatg atggttcgct tatcctctac gaccaccaa atgggtagtg 300
 agtcatatac cacctacatc ttcttcta cctnctctct ttgatgatca gtaacttatg 360

<210> 35835
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35835

nnnaattacg gggaatttgn gnagtgcant atgnatacta agctngaagtg aggaagtgtg 60
aaaggggaaa actcccaact ttaatccttt gttcacaaan ggatacctga agatatgtcg 120
cgggggtcat gagaccttgg tgacgtcagg tgggggtgcta ttgccccaaa ccaagcttga 180
ccaatcccg ccccaaccgg gcatagtcag tcagtgagaa cctgtgatgt acctaaacag 240
gcgagctctt ggagtcacac cgattaaaga acatagacca caaagcaagg atgcttatgt 300
ggtggctggc cagctgtgaa tcttgaatga tatatgggat atggcctctg gtaatcgatt 360
accaaggggtg ggtaatcgat tacaaggctt ataaacagat cangaagcta agaggcttat 420
ggtaatccat tacaaggggc gttatcnatt acaggcttat aaatagaact gaatgttgat 480
tgggctcttg taataan 497

<210> 35836
<211> 236
<212> DNA
<213> Glycine max

<400> 35836
ccacctatgg ttgggacatc ttctttttgt tgcgggtgcgg tgggtattatg gggaccatga 60
ttgctgtgct tcccaagatc aactgagtg actatatggg gaccagccaa gaccaaactt 120
ttatgcatgt ggatattctg gattttcaaca tggcccaaca tataatcagt aacagggaca 180
atggagaact caccctagta atcagtcaca agccacaaca acaagggcgt agtctc 236

<210> 35837
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35837

tgtgggggata aagtcagctt gttggaaaga taagtgggta ggggaagggtc ctactctnta 60
acagaaatac aatcagttgt ttctcattaa tagacaacaa cccgacctta tntcaatgat 120
gggaaatntc tctcaagata actggagatg agacttgaaa tggaggagga atctgtttga 180
tcatgaaagt gatctagcta tcaatttcat ggaagaaatc agctctatac atattcagag 240
gcatgttaag gacatcatga cttggaaagc tgat 274

<210> 35838
 <211> 352
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35838

 accacacgct aagcctccaa atgcgcgctt aacgcacatc cacgataaat ctgactttca 60
 gctagggcttc ttgcaactaag catgcactgg cgcgctgagt gtgctgctcc aattcttcat 120
 acatcttcca ttctttctggt gatgcatcta anaattctac aaaataaaac aaaacattgt 180
 taaagtacca acttttagcat tcttaagata aaaactcaaa gaaaatctaa attcctatct 240
 ttntaagtca caagaagtat ctaaagagaa gaaattagat aatttctatg taattttaagt 300
 gcacaaacta agtatgaata acaattatca atgaggaatg aagatagaaa ta 352

<210> 35839
 <211> 370
 <212> DNA
 <213> Glycine max

 <400> 35839

 ggagtggatt acagaatcac ctgaactagc cgagccttaa aagatgactg gatggaattt 60
 actttttgtt ttcgttggca atgatgtgaa gatgctgac ttcccggtgga gtggacctta 120
 atttgaataa cactatatta tactgatttg cggatcttga gatggacgat gctgaaatga 180
 gatgagaagc ctgttgattg gaagcactta ccaaactgac atggctgata atgtcctgtc 240
 ccattgaatg aagatatgat gatgacctgc ctatacagta ttctgtcctg actagtgtaa 300
 agctctcaca gaggggtcaa caattgtcaa ttggggagta tataagaatt gttaattggg 360
 agcctgggaa 370

<210> 35840
 <211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35840

 agctntgatn ttcatattga atttcatcca anattntgac aagtcattgt tacttccatc 60
 aatattgata ttgtatcatg cttaattata tgcatttgct tattctgac attgtctatt 120

gtgtgattat ttcttccatg cangtacatg attcctatctt gttgtgagag tgaaatgatg 180
 ggcaacagca acaagtgaag tgaagttata tttcctttnt ttgtctttat ctttggttaag 240
 ttggtatata atttttatctt tatatgtttg agtttttaa at gtgtaaaaca tagaaataga 300
 aaggtctgct gattgcttat taaatacaaa gtaggatatt tt 342

<210> 35841
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35841

actaattgga ggaatgatca agatgtatctt gctgaacaat ttaagtcgct tcttttttcta 60
 ttatgtaatn tgaaagaatg aaacatgtnt aagttgctca attagaactt gaaggaccac 120
 caacatagta tatcagtatc tttttttttt gctagacaga atcatatgct acttattggt 180
 gggacaacat atatttagat ggtactgcat tttgggagaa attaaatatg catgtcctta 240
 attcctcatg ccaataccta attttatgat tntaattgaa tgggtgattt gtttaataat 300
 ttttaaatat gatatgatcc atattnga at ttgcttatta tttttttttg ctagaactgc 360
 ctttaccat tttttaatag tatagaattt 390

<210> 35842
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35842

acaaggatgt tgttgtggaa cactttgtcc ggagagtgat gtttgatatt aatgaaatcc 60
 cacacctata ttccctgtc ttatctagtt gtcataaaca aactattcta tatcctacta 120
 atcttagaga tgcacatatg taggaagagc ataataaccc ctacgtacgt agcaatatca 180
 catggatgaa gcaattaact atatctacta aacaaaagct ttctataaga attatcctca 240
 cacaccatac gtgcattttc aatttcccaa ctttaaaatc acctctataa accctacttt 300
 acagaactca tcgtatttca cttctatgtg catatcaaca gaactcaact tctcagtcgt 360
 gtttgatttg tgacggatac catttgacac tcatcatttn 400

<210> 35843
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35843

tagaatctcc ttttaagtga aggcatttga cttgatccca tgtgtntact aaagtgaaca 60
 anaatcgatg caaattaaaa ctctgacatc tatcatgggt ggaatggatg aatgcatgaa 120
 gaaatgtata taacacagat gcgatttatg aatacgggag cctgagaaat tgtctncttc 180
 ttagatacaa cgtcttgggg taacacagtg ctcgacttat 220

<210> 35844
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35844

agctngtggt tatattttat ttgengattg aattctagat acatttggtc atgtattntg 60
 gtcattctta gcctatcttt tgaantttga gtctaattca tgcattgttat ttacttcata 120
 acatgttcta aatcaatttc gagaagtagt cttgttggtg aactcttttt ttgctgtct 180
 aagattctta tatgatggct atgatgaaca tgaattgtgg tgcggaggtg tgaatcacat 240
 aacgcctaag ctctcttgaa ttgtcgtact caccgataata gagcatgctc aaacactaat 300
 tgtaactatt caagatgaac actactttcg atttct 336

<210> 35845
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35845

acaaaccaca aacccttgcg ataggtacag atttctgatt caaggccagc tgggttacca 60
 agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat gcagaatggg 120
 ttgtagctac ctcatgcact cctctaata gaatggcatt atttctggcg ctaaactgct 180
 ggag 185

<210> 35846
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35846

agcttctact tatgtgttan ggcgggcttc cttcaccttc ttgtctcaac cgcgagctnt 60
 gactaccgtt cttccttccc gcgatgcttc tctntatata tgcttgagtg ggcttatagt 120
 ctaaccata cttcccacga tttcctttgg catttatcag gccagttatg ccgccgttat 180
 ctttgccctaa acccattccg gggtcgtaac cgttcccaa cataactcgg gtcattcatta 240
 ctgctgcata ggataggcaa gcttgcccag agaaagagtc cacggaggaa atgcttacca 300
 cctcaaaaga ctggaaagca gnttctaata ac 332

<210> 35847
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35847

agcttcaatt ttcttgtcaa gcgtctcgat atattacggg actgaatctg acattcgaat 60
 aaaaagctat tgtcgtttga attgggtcaa agcttcaaca ttcaatttcg aggggtctga 120
 tatattacgg gactcaatcc gacatgcgag caaaaagata ttgcagttga ataggctcac 180
 acgttcaaca attcaagtgt gagcgtctcg acatgttacg ggactcaatc agacatcccg 240
 gtaaaaagct attgtca 257

<210> 35848
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35848

actatannaa actcacgctc tgagacaatt canacgacaa caactntnta ctcgatatt 60
 tgattgattc ccgttatata acgagacgct cgagagtga tgtttaagct ntgatccaat 120
 tcanatgaca ataaatTTTT tctcagatgt ctgattgagt ccaataatat aacgagacgc 180

tcgaaattga atgttgaagc totaagccaa ttcaaacgac aataactttt tactaggatg 240
 totgattgcg tcccgtaaca tatcgagacg ctcgaaattg aatggtgaag ctctgagaca 300
 attgaaacga caacaacttt ttaactcgat ctctgattga agtccgtaac atatcaagat 360
 gctcgaaatn gaatgtggaa tctctgagcc aattcacacg acaaatacgt tttactcgga 420
 tgtctgattg agtcgctgac atatcgagac gctcgaaatt gaaggtagag ctct 474

<210> 35849
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35849

agcttcttgt ataantatct tggtagtcct tatgcctgga ccaagaagct agaaacctgc 60
 atgggcggtt aaagatatga gcaacactca tacaacaca ttaaagataa aatataagac 120
 tacttatttt attaaaacaa acatctttta acaaataact ctaagcaa ataggaccaata 180
 cgtgataagc gagacggctg tgagatatat aacaactcta ttogagtcac atagtgttga 240
 aactccaaag tagaagatac atgtgtctgt tgatgtgttg gcaactatga ctactagtat 300
 tgacgatgag tttgtgatgt a 321

<210> 35850
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35850

ctggtatgag ttcattctcg tgctgtagt ctgttattta tttgccctta gngaggacat 60
 cccctgagat aatttattta atctattgaa ttccgctttc tttcctcttt gacccaaata 120
 aaacacacat tcaactcaat cattcattgc aactagccaa ctacactgac aaatgactta 180
 tgtgtctata cacttcgaaa ttaaaaaana agaacttcat tgtactgact atatagataa 240
 attatatctc aattgtgcct attatctttg agtctaaata tgatataccc gcagcacaac 300
 agttttacac tgccatttaa taatatgttg gcagctggca catcattaaa gaagtttagac 360
 ttctgcata agtggtttga tgggtcaaact cttttagtaa tct 403

<210> 35851
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35851

 gcatnngcnn caagcactag ccccntnna caccagnaag aaagaaattt ttttagggna 60
 gggaaggggt aggaaaaana aaggaaaaaa aaaagaagga agagggtaat agaatactga 120
 aagaataagt gaaaataaat ttaaaaaaaaa aagggaagaa ataggaagaa agataaaaaat 180
 aaaaaaagag tataaaaaaa aaatgaaagt gtttgaata tgtgaagaaa attaaaattg 240
 aaag 244

<210> 35852
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35852

 agggcgcccc ttttncctga nagncnaaac ncnnnntnt agnacagccn gcctggatgc 60
 agtagagcgg cacgcatgcc agcncgact tatgngtttt gtgcgggcca acagcaccng 120
 caagggaggg ccgcntaagc ttgactaccg accttccttt ccacgatggg tatctatata 180
 tctgactgag tgggctcctt ggctaaccac tacttcccac gatttacttt ggcgtttatc 240
 aagccagtta tgccgcggtt atttttgcct aaaccatttc cgggttcgta accgatcccc 300
 aacataactc ggggtgatcat tactgctgca cggataagca gcttgcgccc aaaagagtca 360
 ccgaggaatg cgtacccttc caagaccgga agcagcttta atgactgctt gcggggccac 420
 atatgcatag agatggctgc caccacacgc atgcttcctg ttacatgaca atcccctct 479

<210> 35853
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35853

tgtaatcgat tacacacata ctgtaatcga ttaccagaag atatTTTTtct tataatattc 60
tcaacagtca catcttttgta cttgattctt gaatggctgt caaaggccta tatatgtgtg 120
acttngnaca caaatttgct aagagatttt cagaacaaaa aggtcttata ctcttaaaaa 180
gcaaaatcng tttatcctct taaaaattcc ttggctaaaa cacttgtgat tcaataagga 240
attanttgag tgctcacatt gttcaatcta tctctttcaa gagagatnnc ttcttttctt 300
cttcttcatt ctgaaaaggg atta 324

<210> 35854
<211> 282
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35854

agcttctctc tgcgtanaa aagatattat cggccagtgt ttgtaaaaaa attgcgcaat 60
gtccgctgan aaatatccgt cggggctatt taactaccga tgcggctat tgttttttct 120
attccacccc tgaattatat ttggatgatg cctattanga aatgttcggt cggggtcata 180
cggatcatgct tctttntgaa gcctcgatct gtcgtctttc ctagccggcc gacgtcggt 240
agcatttttt tcgatcaata tctgtgtgaa tcattggttt tt 282

<210> 35855
<211> 279
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35855

gcttatgaga gagtcaagat caattgagag gaaaattatt ctatgctaaa caagccaaca 60
aaggagaga gaaggttgct ttcgaaccgc gagattgngt ttgggtgcac atgagaaaag 120
aaaggtntcc ggaacanagg aaatcaaagc ttcaaccaag gggagatgga ccatttcaag 180
tgcttgaaag aatcaatgac aatgcttaca aagttgagct gccccgtgag tataatgtta 240
gtccacctt caatgtctct gatatatctc tttttgatg 279

<210> 35856
<211> 785
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35856

attcacgcaa tctgcatcac attctcggan aggtctacat ttacacctt aactactaat 60
catgagagag gananntgat accttcgaat gtccccgcaa catanagtaa angcaccgcg 120
cgtangtgaa atgcacacag ctcaacatgc acacatcaag aatttccttg ttgtagnac 180
tcatcagagc gggaagcagg agcgggtatc tatacactta atcactctac tgctacttcg 240
tctcgtcatn tngacaacnt ggcattacga tagaatatcg attctacgtc taatacataa 300
atccacagct cgagtgcagc ctactctgaa tatcgcgtat cagcaaccta tatacccgag 360
aatgaaatcg tcgcntgata cagtgtattc agccgaatcn aatacgatga gatcgcacat 420
gtctcagatg catttaaate tgaactcgta cncgattctt atcanacact gtgtacatgt 480
caatcactcg taactcacat gcttactagc gataatagc tactctatct aaatctccat 540
cggcttaggt cccactactc tgactgcgat aagatggaat ctgtcatata catccatctg 600
cactcttaca actgatatgt acccccgctc tattgccaca ngctatatag tcacgtaaac 660
atgctgacag acattagctt ctacgtgtaa cccacactat cgaacatcta aatactgcac 720
gtcgtctcgc ttagcaattg acatcatgcg cgtgtctacc acacntgcat aacaacgaaa 780
tcgcg 785

<210> 35857

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35857

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ttattctcgt ttgcatttac tttttatacc cccttttgac gtgcttaagc catttattta 120
agtcatttct cgcttaatct aaaaataaga taaatttcca ccgatcggtt gaattgtatc 180
atccgttaat tgtggttaaa atgaattccg accgtttggt cgtgccgtaa ccacgttgga 240
aatcaaaaaa agaggtaaaa taataatata ataatacaag aatacctttt agtaaaataa 300
aagcgaaaga tcaatcggac gttntctctt tgggatgtct cattcttaa 349

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

tagaccgggt ccttaagaca ctgcagctgc agcttttttt gatttaaatga cagccacagg 60
 gggaagctt ataaccataa cctttactta acaatctaag atctttttaa cagattgact 120
 acaaatgaat ctcattacaa cctc 144

<210> 35863
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35863

acgacaataa ctgtctactc ggatgtgtaa ttgagtcccg taatatatcg agacgctcga 60
 nattgaatgt tgaacctatg agccaatnca aacgacaata actttttact cggatgtctg 120
 attgagtccc ataatatatc gagacgctcg aaattgaatg ttgaacctct gatccaattc 180
 caacgacaat cactttttac tccgatgtcc gattcagtgg tgtaatatat cgggacgctc 240
 gacattgaat gttgaacttc tgagccaatt caaacgacaa taacttttta ctctgatgta 300
 tgatcgaatc ccgaaatata tcgagacgct cgaaattgaa tgttgaacct ctgatccatt 360
 tcaacgacaa taacttttac tcgatgtccg attatagacg aattatc 407

<210> 35864
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35864

gcgtattgag ctacgctcac ggcaannagt agccccggat ccttaagcac ctgcagctgc 60
 aaccattttt tcttaatcac cagacaaca cggggctaca tgctgatgct caccgaagtt 120
 ctactggcaa acctcctcta atactttatt tctagacacc aactactagc ctacattgga 180
 ttacgaaccc aacataagac cttcattgca agcgggtatt gcatattaca catactccat 240
 ggggtttata ctacaaaagt tgaatgcgtt aaggagcatt ctataacaaa agttctctta 300
 tatggataaa atacgggaca catattccaa aacgaagcca actactgcag gggctgctca 360
 tgtagacgcc ttggtcacca gaacaaatgt cataacccta tcaaacggaa tcttcatgct 420
 ctttaaacga aagatttttcg 440

<210> 35865
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35865

agctttgttt gtatntaaac gacaataact ttntactcgg atgtctgatt gagtcccgt 60
 atatatcgag accgtcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
 gttttactcg gatgtctgat tgagtcccg catataccga gaagctcgaa attgaatgtt 180
 gaagctccga gccaatctaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agaccctcga aattgaatgt tgaagctctg agccaattca aacgataata 300
 aacttttact cggatgtctg atagagtccc gtcatatatc gagacgctcg aaatcgaatg 360
 tt 362

<210> 35866
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 35866

agttctataa ttctctctga caaatcaacc atcgactac aatattcttg cagcgtctca 60
 ctattcagaa catagaaaga actaagacta ttcttgctga aggatataat acgcatcata 120
 gaataacata tcaatgtgaa cattgtctac gaagcacgga ctctgatata ccaacacttc 180
 gatataggta atgtctaata tataggacac acagacgctg catacacaca caaatagaga 240
 gatcctactt acatgaaata taaataacat ataacaaaat atcgaaattg gtggtatatt 300
 aatcttttta aaccaacctt ctat 324

<210> 35867
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35867

agctntttta catttatttc atattatggg accgtctttg actaatctaa gattaaagag 60

gtaaagcaaa gaaccgaaat ttgcagcatc tttcatagaa ttaattacca ataggaacag 120
tgaatttttg aaatgcagtg tacaacaaac tctatatgtt tttgtaaaat agtagtaggc 180
tatatntatt tttgtaaatt acacttccaa.tntgaataga catctacaat agtaaaatac 240
taattaaagc ttaatatataat ctttttcaat catccacttg atgctccaga agttagagtc 300
acatttgtaa gcccaataag cccatccaaa tttggcacga gagtatacat ccacttggac 360
ttgcgtaaan ttttgttggc ctttctttga tgcattatga actttccaat caactactcca 420
ttccgctgcg agattcacca acaacatg 448

<210> 35868
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35868

agcttgtgtt gttcttaoga atgatgacat ggtcaattga actctcagaa tatgatattg 60
cctacaagct gagaggact atccgagccc aagtactagc caacttcatt aatgaattcc 120
atccccacc accatatttc aagtaggaat ggtggacgat gcatgtgtaa aactcttcca 180
ataggcacgg gagtgggtgtt ggggttattc tcgaaggacc atggtacaat ccttacattn 240
tggattcaaa gccacatgca attaggccga atacgaagaa ctctttgcag gtttaaggct 300
ttccaaacag gttgatgctc aaaggggtccg gtgtcgaagc gactccaaga tcgccgttga 360
gtatatcaac 370

<210> 35869
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35869

agcttgacat tgtagatac atcttcttca cctttgcatt cttgctccat tcattgaagc 60
catatccact tgcaattcca agtgtcaaac ctctcaccaa caaagggttg aagaccatca 120
aacttttcca aaatctttga atgaagagat gaatcttctc cctcatgtcc ttcttcccca 180
acatttctag cacccttctt tatccaagag ccatcatgct ccttaatatata accaaaggat 240

gctatgactg aagcgcatat aaggaatgat ctcttgattg gaacatangg ttcataatca 300
tgacgtatgt tgaagtgtt 319

<210> 35870
<211> 319
<212> DNA
<213> Glycine max

<400> 35870

tgcaagctaa catttttttta ctttgcgcat ccacacctcg acagcgtgga gtaccgctca 60
gagtgcgcg tgggtgcccatt accccctcaa ttaattcgcg ccattccgct ccttccgaca 120
cctcaacacg ggctccacat tagtggaatt cccaaattgc ccttttccaa ttcttacatt 180
gtctacgagt cataattgta ttgagcatca cactcacttt tatcacaatc tgcattgcacc 240
atgcaaaacc cagaccctat atatctatgc cctaaccatc tcaacacaga accttaataa 300
tctataccat aatcttcat 319

<210> 35871
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35871

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tttataacaa accacaccca ggcgagaaaa aaggaccccc ccacagacgg aagacacaaa 120
gagccgaggg gaacccagac aggagaaccc aaaacacaga ccccaacccg acaccgccac 180
acaaaccac gaagccgaga gggccgacca gcgcgagagg cgcgggcacg aaccagcaaa 240
aagggcggga accacnaaac acgcaaggcg gagggacacg cgacaagccc gcgacgaggc 300
ncacgaaacc aaaggcggca aagcgcgcg aaccggacca acgggcgaac ggcacacgaa 360
cagaaacgcy gcaacaaccg cagcaaacac acccaacggg accccggagg agagcgccaa 420
cccaacgagc gagaccacag cagaaggcca cagcgcgcac cccgacggca ccacaagacc 480
aagaacngna cg 492

<210> 35872
<211> 292

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35872

agtaagcgaa gtgataatga aagcatacaa aacacgaatg gaccactgag ggtgcataaa 60
atgaactgaa agattcgatt ttgagaactt ataggttgaa gaccgaagaa caacgaagaa 120
ctttcacaga atcactcacg aaaacgtctc ggaagcgta cggaagcacc tcggcttgaa 180
ttattctcct ttttcttctt ctctcacta attttaagtg attcctgagt ntctagggtg 240
ctatgccctt tccctcagcc tccaatgcc tttaaataac aaaatatggg ga 292

<210> 35873
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35873

agcgtgtttg atgntattta ccatcaaccn gnatacaggg cgtggtggct atgtatagta 60
tgacggaatg gaactatgat cttacatcgt attaataggc acgtgttggt tgaacataaa 120
agcacgataa gaacacttct ctttgaatgg ttggccttca caaagtacaa cacaacaatg 180
ccttacatat aagacgaatg tgttgctaca aaaagatcca atatcataac gaacatgcat 240
gtgacactac ctcatactga tgaggatctt gacactaact caccgtatga atacagtatt 300
atacacaagc tacaccttta agacgatatc atgttatcca ctggcaatca cacatactta 360
gggtccatca naagatacat gtta 384

<210> 35874
<211> 87
<212> DNA
<213> Glycine max

<400> 35874

tggcggttaa aatttctctc cgccctgaca ctcatcgcag aactatgtaa ttatctaaca 60
tctctgcgac atggaaccat acagacg 87

<210> 35875
<211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35875

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ttcttctatt ttcagattgc ggatgccttt aacagcacct ttgtcaatga ttttcttcat 120
gcctcttaag tgcagatgtc caaatctttg atgccatatt ctgacttcat cttctttgga 180
ggatagacat gtggaggagt agctggtttc ttgggggtgtc cataagtaac aattgtcctt 240
tgatctgctg cccttcatta gaacttcact cttctcattt gtcaccaagc attctgactt 300
tgtgaagttt acattgaacc cttcatcaca cagctgactg atgctgatcc aagttgcagt 360
cagtccttcc accagcagta ctttgttcag actangaagt ccatcatgaa ct 412

<210> 35876
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35876

agcangtttc tgccatcaga accatctcat tctcaactga ggcgtgttgg agcagatata 60
ccagccaagt gagtgccttg ctacatcaga aagnttgaat gtgatcttct gatcatctat 120
gcccatttac agattacctc ttcccatata cgccacacaa ttggcggttc gcatgatagg 180
acatacccaa attagaggga tctcagcacc ctcattaatg tcgcatgata acaaagtccg 240
cacggaaagt gaactgtcac accttgacca aacatctacc accacgccat aaagcctagt 300
aatggaacga tctgccagct gcaatgtcat tcttgttgga taattttcag ctctccaagt 360
cttgtggaca tggagagcga catctaatta atgctagctt ccanatcaat gagagctgtt 420
ccaactgaca ccgcaccaat a 441

<210> 35877
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35877

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 cttgttagac aagtggcctc agatatctta agaagggggg ttgaattaag atattacaaa 120
 ctattttccc aattaaaatt ctactttgat tntaatgcaa gttcaaagtt cccttaaaga 180
 ttaatttcta aatgatgatt caaaataacc aaactgaatg taaaagtaaa gcaacaataa 240
 ataaaagagt ttaagggaag agagagtgc aactcagttt tatactgggt cggccacacc 300
 cttgtgccta cgtccagtc ccaagcaacc cacttgagag ttccactaac ttgcanaaac 360
 cctttacaag ttctgaacca cac 383

<210> 35878
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 35878

agcttcta at ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctta gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttctacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcacatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaagggg 240
 agagaaaatg caaactcact ttatatactgg ttctgccaca cccttgtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360
 acacaacgac gaacccttct ttgtgtttag agattctgta caacaagaga ctacagctct 420
 cttaatccct tatagaatg 439

<210> 35879
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35879

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 catacgaca tgcaaatctc atgtgtttta gttacaaca acttagttat ctttagtctt 120
 gtctaagcaa tatgacagat acatgagtgt ctaaaagaaga tccaagccca taaaaccttg 180
 aagttttaga gaataataaa gaatgagaga gtttatatgg ctnttagaca tatgtgataa 240

ggaacagagg aagcttgtgg ttgttcctta agcttctata atgattgaag attgaanaat 300
tagcaactgt cataacttcg taccctattg tccagaggct cttacctatg cgaatgtatg 360
ggggagggat gatgta 376

<210> 35880
<211> 406
<212> DNA
<213> Glycine max

<400> 35880

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gaatatatat caccccaaca aaaaaatgag agaaaaaac caatataact tttttttgct 120
gaaatcagac tcgaatgcat ctatgctagt ccaccgtagt gactaccac attatatgaa 180
tcatattcct atccagtaag aacatatcag cttcttcatt ggttcaatcc ggaatctttc 240
gacgaggacc cgcagtttcg tatccacaag gcagtgtatt tctaaaatgc acttattaac 300
atatttcagt tttgttcaga atgtgtagag acttgcacac ctatcacttt ggtgtcatgc 360
tttcttttac ttgactgca acgcgatcta gaatatTTTg tctttg 406

<210> 35881
<211> 303
<212> DNA
<213> Glycine max

<400> 35881

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agatatctcg attttccatc tgataactcc atcaagttga gcttttcaga aaattcagaa 120
ctatgagcag caaccagttg gatgcccttt tcaaaacttg tctttggggg ctctataaaa 180
tgtagactat caattgtttg aggctttgaa tgtctcggac ttaacacata tggagaacac 240
ttgcgtgtgg ccatctgaca tggaattgag ctgcggttct gatgcgatca tccttgcttt 300
ttt 303

<210> 35882
<211> 265
<212> DNA
<213> Glycine max

<400> 35882

gaaaagttct ttcagaaata tgattctgga ataaccaca ccttgacat accatatata 60
 aaacatatatt ggtagttct aatatataat taatgctttt gctacactca aagaagtcta 120
 atccctacct actctaaaag aattcatgag aatcatagct tttcgacaat cttatatgta 180
 ttcattacct atcaaacacg aaaatcatga catttcgctg taacattctt gagagcatgt 240
 aaagatatct agctatgaaa catct 265

<210> 35883

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35883

ctgaaattnc tctatagata aggagcagat atggtcagac cagaccaacc tccttcacaa 60
 tacagtgttt ctgatatttn tgactcagaa atttccattc atctcattgg aaaagtccaa 120
 cccacatttc actgtatatt agattcaact tcttgatatt atgtgctaac gaagcacaag 180
 atttagactc atgatattga gttcgggata ctgagaaatt taatctacaa tgggcatctt 240
 gttgaataaaa aagcacgcta aaattaacat gaacaaaatc atgccaataa taactataga 300
 acattagaca aactgacaa acttagtcgc attagccact aattgaataa ca 352

<210> 35884

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35884

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 agaggatttg ggggaagaag ggagaatgga aaagaagaca ggggggaacg aggagggata 120
 aaaagaaaag ggggaagagag agagaaagaa gagagggaag gaaggaaaaa agatagaatg 180
 ggagagagaa aaagagaaga gaaaaagaga aaatagaaaag gggagaggag aagaaggaga 240
 ggataggaag gaac 254

<210> 35885
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35885

agctctatatt tttcaatgaa gcttctcaag gaggtgagct gagttttcat atgggtgtgt 60
 gtanctaaac tctagcttct caaggaagtt ttctcacaga agcttctcta ggaagttttt 120
 tcaagaaagc ttcttaagga agctacctac tctataaata gaagtatgtg taacacttgt 180
 tgtaactttg atgaatgaga gtcttgtgag acacaactca tagttcaact tctctccctt 240
 tttcttcctt caatttcgtg ctccccctc tctctatctc tgctctatc tttttctcca 300
 ttgaagcatc ctctccaagc ttcttatcca aggcctcatc tgggtggtgaa gctccctctt 360
 ccatggctta tctcctagtg gatgacgcct cctctgacct cttctacttt gtcgtccgat 420
 gcatctccat ggtggaaaat caccattg 448

<210> 35886
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35886

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 ggagcacaat agaattgatga ttttgctgaa ttaaagtgtg tgacaaacat tttaaatga 120
 aattaagact ttattgtaaa atatataatt aaatcaattt cgttgttttg tttttttcat 180
 cttcactaat atgctggaat tgtgattata tattacatct tcggttgtga aanaagtaaa 240
 gaatagaatt actattacat tatataaggc gactaaatat aacatgtaca atagaaatac 300
 aatttttgtt gtacaatgta caacagaatt atatttttat tgtgcatcgt ttattagcaa 360
 agaaatatat aaatctttca ctaaataaaa ttgagattat ctgttataca atagaatctt 420
 ga 422

<210> 35887
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35887

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agcnngactt acactataca tggcaagttc aacatgcgtg ggcgaaatth cttcacaaat 60
aactatcctg aagcagaaac ctagctaaac taccatcat atctccctaa acccaatacc 120
cacaaaaatc aagtgagaaa gaagtctacc caaacctgaa atttcaaagt ctcacacata 180
gagatgtgct tcacaactcc gaanatgcct tcctttcgcg atttgagca gaaatggtga 240
ctaaagggtg gagctntaat ggaggcttca atggagagga agaagaagag aatggaaacg 300
tgagagagag agagagaaaa aggcttctga acatttgggg ctgagtgagg agagagaata 360
caactntcat ctactattat acaaacaaag ccctgacatt ggctgtagga ccacagtgtc 420
atgctgtggt gcttcaattc ccgccccaaa atatcac 457
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<210> 35888
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35888

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agctannttt actgtagcga ctntatcttc ttccagagac ggcacacagt gcttctggaa 60
tcctcacgtt taatcctcaa tagaatagta tactctatag ttttaactca cacagtgcac 120
gcaaaaatgc tactgtttca tagttccagt tagtcacggg ttacgaagga aaacgaaatt 180
cataggagag aaaatgaaaa aagcaataat caaaagcttg gtggtttaat agccttacct 240
caaaagtcaa aacctttcaa gcgttattct tcctttcatt aactctctcg cttggcacaa 300
ctttgtgggt tttccctcag atcttatgtt atttctttat tcctaacagc acgcatccat 360
cgttgaggtt gattccagcg atggtgcaga tcttatggtt 400
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<210> 35889
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35889

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agcttgtcta tatatgtcca tgaaagacaa ggcggccgaa ggaactagtt ccgccccgga 60
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gtacgacagt caccgcttta tgagcgttgt acaccagcag cgcttcgaag ccatcaaggg 120
atggtcgctt ctccgggagc gacgcgtcca gctcatggac gacgagtata ctgatcttca 180
ggaggaaata aggcaccggc ggtgggcacc actggttact cctatggcca agtttgatcc 240
aaaaatagta cttgaattnt atgccaatgc ttggccaaca gacgagggcg tgcgtgacat 300
gagatcctgc gttagaggtc agaggatccc gttcgatgcc gacgctatc 349

<210> 35890
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35890

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agttactcgg aaggaaaaag aaactatatt cttgctctat cgagcttttg ctttcattat 120
tctattttatc atatacttca ttgatttttg gtttctagtt cattctatctt gcaatccatc 180
actgcttgag attgatccag tatgtggctg gtaccgcgaa tgtcctttta ctctttctac 240
cacttgtttt gtaatttttg tttaacgaac atgcttttta tagaaactga ttatnttntg 300
tgtatnttgt tgtttcagct gtgtatccta acaagagaca caagaaaaac tacatttctt 360
tgtgtttctta tacaaagaaa ttaattttcca tgaaatcaat gacatacaaa atagaataac 420
aaaggaagca ccagtgatga agcaat 446

<210> 35891
<211> 401
<212> DNA
<213> Glycine max
<400> 35891

agtctttttc tctatggcca tatatggatt cgtccagtac ttgataacag cttatgcac 60
caaagcgcta cacaattgac ctggccgaaa atcttttata aaaatattca tcagcgtcca 120
acacatcttt ttgtccaaact cgctaacaaa acttgtggaa atattttata ctttcattta 180
agatttcttc atccaaaaat gaacacttga tatagttctt ttctctatgt tgttcgaatg 240
ctaaggttta tttgtgctta cattcttcat tgtatgaacc ttagtctgat attccttttt 300
gtttttttca aatatgctct aatgttttaa tttcaaacat gaaaataaaa aaattgtaaa 360

<400> 35894

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 tcacaagatg taactcttcc aatgggtttc aagggtttct aaagggtata actcttccaa 120
 tgggttttctt gaccagactt gaagagtcta taaaagcaag accttgattt gcatttgaat 180
 aacacttact actttacaaa caacttttcc acatattctt ttacaacctt tgaatctctt 240
 tgaacatctt cttgaacttc ttcttcttct tcttcctttg caaaagcttt ctatagtttt 300
 ctgggttttcc aaaccttcga aacaaaagtg tgttattcat ctttttcatt ctcttcttcc 360
 tttgccanna agatttgcca aggactaacc gtctgaattc tattgtgtct ctcttct 417

<210> 35895

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35895

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 ccacatgtag ctgggaacac tntagcctca acagaacagg tataatacaa acaactatag 120
 tagctccatg gatccttcac caagacttca tcaacagtcc caacaatcaa acagtataaa 180
 tcctgggtttg acaaanaaca attgtaatat attagcacac atgtgcacaa attagatatt 240
 ggtaataaac aaaagaatga aatggaactt gacctgtgtc aatgggttta tctcacctag 300
 cctcaccact tttgcattac gtaaaaatct accaagtg 338

<210> 35896

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35896

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 actgcaaacc ctctanatca aacctgcaa aaagaanaca cttcaaagat aaaagtcana 120
 ttgagtaaag catgtcttat ctacaagggt tctaccatta gcattctttt ccaagttgat 180
 gtatattagt acttgaaaga gaaagttaca atcacttaca gggaacaaat gcaatctcta 240

atntgttgaa accttgagac atcctttttg taggttgtaa agttcaaatt tataaaaaaca 300
aatttgaagc aaagtggatg aatttcagca actataatag tgaataagtt actacaagac 360
agaagaaaca aatgtacaaa gacttggtta catgtgcgca tgtgctatac cagaaataga 420
aagtacttgn gaagaacctg aatctaattc caatctt 457

<210> 35897
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35897

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gcacaggggg gaactacggg acaaccgacc aacgcagggg aacgacagaa cggagaaaaa 120
cacggggaaa acgcccagag aaaggacgcc cccccaaccg gccacgcaag tcaccatctc 180
ccggccagat gaccagcccc gccaggcaca gcccgagaag gcgacggacg tccccccacc 240
cacacgtcct aacaagcaca ggaccaagc acagcaggcc aaggcgcaaca agaggcgcac 300

<210> 35898
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35898

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gctatttttac agaaataatg acatagtaat cttttcgact tataacaaac ttgtgcacac 120
atttccctga agaagaacat ttatgaacgt gcatacgcg aaaatatact gctatctata 180
tcaatataca aggatattca aaacattcta gctacctata tcccacacat attcttttga 240
caagaattca tatatgcatg ctgaaggat agtgccagaa ttacatatgt ccgtattcaa 300
agcattctgc taccanaaag tacatacgca catgcaaggt attttactac ctaaattatc 360
atacaaatta atataggttg ttgttggttg ctcatcaca tatattgtat acatatatgc 420
acatgcgaga gccaatattca tggtatggac aca 453

<210> 35899

<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35899

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tttccatgat tgataaataa tgttccttgc tttatcatat gagtatgggt ctccccaaaa 120
tttatctctg gttatggggc tgcgaaattag tgatgattgc actcgaatga ctgatttact 180
tgcgaaacat acaagaacgg acacatactt acattcatatc atgatcagac tcaatatcaa 240
aaatacgatc ttcctctgta cctgaaactg atatgatttt ctatttactc gattcacaag 300
gaatagtatt tattaccaac acctttctat atact 335

<210> 35900
<211> 87
<212> DNA
<213> Glycine max

<400> 35900

atgacgatga aatcgaagtg cacattgaca gtgtggatgc tgagactctc tgggagcttg 60
atatattttgt taccaactat aagaaaa 87

<210> 35901
<211> 198
<212> DNA
<213> Glycine max

<400> 35901

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aatagaacgg atcgcgcatt ttgctaactc tcttatattc cttagctcaa cactaaacag 120
tggattactt gcttgtatct cagcattgaa gagccatgca cagagactcc tcttgcattga 180
ctatgtggca taataacc 198

<210> 35902
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35902

agactctact gaaactagac atagcaanac ngggaantna gctcgcaccc gggatactct 60
gagttgacct gcggcatgca agtcttttct atcttgtgnt agagacgngc attaggaaga 120
tgatatgata gaaaagagca attataatca atcgaagatt aaagaatgga taatagataa 180
gacgaacagg gggttctttg gaccatacaa tatctgaact acgtgcataa ttgcgcacag 240
agaatactgt tatagataag tattgataac ttggttggac ccttgggggtg tacatatatc 300
acctgtatca gttactaact gaatatttgt gtactctgct gtaccgcgct gaaccaaata 360
taatatgaaa ctgataggga gatgtcacta catccaaagc catattccca cctaaatgtt 420
acctcactact gccctatcga tccatgatga ttatgcntat tatctttgat tcgatgggat 480
atgactagcc aagtcagtcc atgacatgct tatagtccgg aattacgatg acatacttg 539

<210> 35903

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35903

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ttgacataat ttggtctttg tttgtcaaag agcattntac acctatccac ccttcataa 120
ccatttgtca agtgtagctg attgatgttc ttttgacgaa caatatatta aaatctttat 180
gcaagttcga tagaatttga aaataaacia aacaaaaaat acacatcaaa attattgtca 240
aagaaagtac agtgcataca aatgcatgat ttacaatagc aacaaccaca taattaataa 300
cattagtaaa gttaaggatg gngactcaca agatactgat tattgtgtct ttagtcaaaa 360
tttctctgaa ttntgtcatt taatccacac caaaaatttt caattaaact gaaattcact 420
aaattgctta atttggataa caactataat aact 454

<210> 35904

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35904

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agctatcatg tcttggctag tagatacatg attctcatgg tttaccctat agtctcttat 120
aacagcagaa gtccactatt ctatgtaatt tggaagtaat taagggtcaa tactccatat 180
gtntaatagg agagaaggca tattaaacac tggccaatgt ctaanaatag agtcattgtc 240
ttcatcaatg tcttcagaat ctgtttcatt gtttatgaaa cttcgtgctt gacacttctt 300
atatctctcc cactntttga ttgctntaag aagttcttgg gaaagaacaa ttttttctga 360
aaaagaaatt tcagttttgt tgggctcctt ataggggata tatgactcan aatatgaaca 420
gtgccataaa tcatcatgac atcctagagg gtctatatc 459

<210> 35905
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35905

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tggtacttgg gaagattang ggtggcaatg taagccttgg ccggacgagt tgggctagat 120
gactcaaccc gctagcccat attgactcac ccgcctaac ccaccaacct agcgggacag 180
gttggctagc cagccatcca tacatacata tacatatata tacaaatagg tgttttgtct 240
tacttgtcac tttgtatctt ttaagtttat agtgctattc aaaaatcaca atatatatgt 300
gctatcatct ttatattatt ttataaattt aattccttta atacaaatag acaaatttat 360
attaaaatta aatctaggat aaacaattaa tatattntat gttctctaga taaatctgtt 420
catttgggat aactttatag aataagatga 450

<210> 35906
<211> 601
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35906

aagcaccgg gactaacacg accgcagcat tgcaggttac atatannata ttaannnnaa 60
nnaaaaaaaa aaaagaggan agttgacact gagcccctcg ncanacccca nnaannnnan 120

nnangnnnnn ggngagnnna nanagangaa nggaaggnag ggagaggatt attttattgg 180
aagaaaagag agagagagtg gaggaggggtg aaatagaatg aataaaggaa ggagagaggt 240
ggaggtatga aaagagaatg ataagaatat gatagatgaa agtaagaaga agtgaagtgt 300
aggggattgg atgagagatt gaggaacaat gagaagaaaa gtatatagaa gtaggagaga 360
aagtgagaat gaaaaaantt gtaagagaag gtgaagatag ggaaagacaa agaatagagg 420
aataaaatga atgagttaga ataggagaac gtagataatg agtaacataa gaagaagaga 480
agatgcggag acaaagacga ggaaattggg gnatagagga aattacccaa ccacgcaatt 540
gccccgcaca caggcttaac aaaccgaagc acggccgcca cagggccaac acaaggaacc 600
g 601

<210> 35907
<211> 245
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35907

acgcaaaaaa gaagcaatca aaaaagggat tgctgccana cgccggcaaa cggcgccgat 60
ttgacgggag gacgagaagc ggaccaaaaa ggaaaaggag gaaggacaag acggccaaag 120
aggccaacgc acaaaaaaag gacaaaagaa aagaaaaaag aagaagaaaa caaaaacaaa 180
agagaaacag acacaagccc caaaaacacg agggaagcaa angaaaaaac aggacgacgg 240
acaac 245

<210> 35908
<211> 383
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35908

gaaagatgta agatcagagc acgagtgcaa gagaatagac tcaaagcaca catagaanaa 60
tgcataagag cacaagggtg tgcacaagca catgagagta aaagcttcat ggtataaaga 120
aacttcatga gcctttgttt ttaagctaaa attcgtattg ctgcttagc gcacagccgc 180
ccttatcgag tcaatataac gattggtttt aacaaagcct tgtgcttagc ccaacctcgc 240

gactggatga catacaagat ggacgaaata caaccaagat gaaataacag acggataaga 300
 taagatgtga taaaataaaa tcgcccgtc tctaaaagac caagcccaat agcttataac 360
 gaccctgcaa atgaaaaaaa acacaaaatt aggcattggag acccacatga caaaactgca 420
 taatgaagtg gacaaccaag gctaatacacc aaataaaatg gcgagaaaaa ccggtcagaa 480
 acaagagaaa ataattgacac atcagtcatt tcggacaacc attagctagc cacacactcc 540
 cctgacacta gagactgacg acttagctcg accttgacca cactcttatt tcaagctcag 600
 cccaaggca agcactacac ngctacccg 629

<210> 35911
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35911

aaaagaaaag aagagaaaaa aaaaaaagaa gagggagacg ggaccnaaaa gaannnggaga 60
 aaagaaaaaa gaaaaaataa gaaaaaaaaa agggagagag agaaaggaaa aaaaagaaaa 120
 gaaagaagag gaagagagga agaagaagaa aaaaaggaag gagggagagg agaaggggaa 180
 gaagagaaaa agaagaagaa aaaggaggaa aaggaaaaag agggaggaaga agaaagggaag 240
 aagagaaaag ggaaagaaaa gagaaaaaga gaagaaaaaa aagagaagag aagaggaaaa 300
 agggagaa 308

<210> 35912
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35912

aacaacatga aacggaagag gaaagagaat aagaananaa cnaaaacana aaaaagaagg 60
 gtgattggat ctgtagnaca gcaancanan aannnannaa ngagggannn aaaaaannan 120
 anagaaaaaa aaaaaaattt tgttttatat ataaannaat attaatgga gagagtggag 180
 agatgtntaa aatgagatag gatagaagaa ngggattagg aaggaaatag agagagaaag 240
 agaaaggga gaaagagagg ggataaagat gagaggaaag aaataggaga gagggaagag 300

aagtgtagaa gagaaatgag aagaagaaag ggaaaagagg aggaaaagaa aagaagaaaa 360
agagagagaa gggaaggata aagagaaaag aaagggagag ggagaaatga aaggaaagag 420
atggaagagg agagaaaatt aaaataagaa aaagaagggtt aagggaaaga aaagagagaa 480
aaggaagaga aggaaggaga ggaagggaaa gagaaaaata aaagtagaag gagaggaaag 540
gtgggaagag aaaggaaa 558

<210> 35913
<211> 111
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35913

cagcaagctc atgatttggt tatgtncga ggacccagcg cctggagacc gtctctggtg 60
tgatgacccg acacatccca tcacaatgaa tgctatcggt tatcgcaatg a 111

<210> 35914
<211> 365
<212> DNA
<213> Glycine max
<400> 35914

agtctttcgt tgttcaattt cgagcgtctc gatataattat gcgcctgaat cggacatccg 60
agtgaatagt caagaccatt tgaatttctg gagaacttgc atcggtgaat ttcgagcgtg 120
tcgataaatt atgcgcctga atcggacctc catgttaaca gttattgacc attggaattt 180
ctcgagagct tccgttgtgc aatgtcgagc gtctcgatgt attgtgcgcc tgaatcggac 240
ctccgagtga aaagttatga ccatttgaga tcctcaagaa gttacgttgt tgaatatcga 300
gcgtctcgat atattgtgcg cctgaatcgg acctccgagt gaatagttat gaccattaga 360
atttc 365

<210> 35915
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35915

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aattttccct ctgcaaggac gccaacgcca gtgacatctg agaagcttgg atatataggg 120
actgtaaagc aacttagaag ttcattgacta ggacttgaga agagtgaaag gttaaaatac 180
ttctatctct taagtttgac aatttgttta agtgcacaga tttaaagctaa tgtttttgat 240
tctacgtagc agggcaggtc gtccaaccac cagtaaaactt tctgatcgta aggcataatgc 300
acgccagaaa cattcagcaa ttagtgcac agcagatnnt cttggtacta atttctgctt 360
ctagaanaga ataatgatct caccttctca tatgtgtata atacaagtat atcattaatc 420
ac 422

<210> 35916
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35916

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agggtcgaac cttcaaacia gctcgccag ttaagtagat ttttaggcta tcaattcttc 120
aaataggtaa aattgagtca taaaaaatgg tctatgacaa gtaaacaatt catacttagg 180
cttaccctaaa gtctagccta gtctgtcttg ttttcatctc aaatgcctat atttaagttt 240
ttttttttat aaaaaataa gtctatttta tatctatgca tttattttat atttactatt 300
taatttaata cttaaagtgc tntttcattc ttgcanatat gttacttttc ctataagtcc 360
agcaagtata tttttgggct ctcaaattat atttnttatt tgtagctctc taaataatat 420
tntttaataa actcc 435

<210> 35917
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35917

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ttagagttaa tctctcttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt ttcttccttt catcttcacc cttgttcttt caaaccacaa ttccagagaa 240
 ttcacctctg ccagaatta tctcgtggcc ataactccca ttntacgcac tcaaattaag 300
 tgattcttga gcctacattg aatttcataa cgagaccttt cacctcgctt tggaatcacc 360
 tcatttggag tctgtagct tcagttattg ccatttttat atttctgcca gccatcactt 420
 acactacgtt taccatccca tcatccatct atg 453

<210> 35918
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 35918

catatatacc tctcctcta cataaccatt aaaaagaact gtttcacatt catttggtgc 60
 aactcaaggc caaaataagc aactaatgcc aagatataca aagagaatct ttcatagata 120
 caggagaaaa agtctttgtg tagtcgattc cttctttgtg agtaaattccc tatgcaacga 180
 gtcttgccctg gtatctctca atgttggcta atgaatccct tttgggtctta aaaaccctt 240
 tacagccaag ggcctttgcc cta 263

<210> 35919
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 35919

ctctttcaga gccatgctat gtgctcgtga ctggccattt cttccctcgc acttgagtcg 60
 ctatgctacc cataagctcg cgaaattatc cgggccata ctcttcttgc gagccctctt 120
 ggtctcttgt tcaagggctc ttgcggtaat tgcattctct tcccgttaacc cggcacactc 180
 ctt 183

<210> 35920
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35920

gcttctatct gaccaaaaag gacggtctta taccgcgcc ttttttgct cgagctcatg 60
 ctgatatcga gatgggttctt ctgatgggat atgggtacgaa tcactattat aagcatatga 120
 ttaactagac gtgcgggttac atgcctctct taaaaacttt acatgatgat ttgtaattat 180
 tctttcttct tttcgaatgc ccgaccaagc tttaggcgac catcatttga aatattactg 240
 ttatcatttg atgtactttc tgggctatth tttc 274

<210> 35921
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35921
 agctcggacc cgggaccta tgagatcacc tgcattgctc aagcttcatt gtcttcatgc 60
 cgacttaca caacgagccg cgagagactc atcgtaagga tgcacacgct aaagctgact 120
 ctgcgaaaag attgtatgac caagcgatcg tgcatttgc aaagaagaat gaaagttata 180
 ctaaacgggc catcaagaga aggaatgaag tggtagtggg acctgatgat gatcctggac 240
 atgtgatggc aaatgctcta cagccaagat ggaatgatga tcttgaaatt ggccaaatac 300
 aagctaaatg ccta 314

<210> 35922
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35922

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 tttattaaag caccacatgt gctggaaaca acatatatac atgttgcaat aatccctcca 120
 gaatgaacat cacagccaac aaaaatcctg tccttcccca gtgcatacca tatatgtcct 180
 aaggaaaaag aatcttanaa tttatttcca tgtgtttttc aatatatata tatccatgta 240
 tgggtgattc ccggggaatt ttgtagcttc tttattttac tatattctct catactttta 300
 ttctcatcta gagtgatgaa aatgtggtat tcttatgaga atatg 345

<210> 35923
 <211> 533

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35923

agacgtaant tgatatccat cgcnanccgn gaanacancn aggnaggcag cgagggatcc 60
tatacagacc gcctgcatgc atgcaagcan agtcattggn ctaanagaca gggcaacaca 120
cagacaggga tggtaatagg agccnccaca cgccaagaaa catccaaaaa gaccattaga 180
gaagacctcc ctatctatga atgggtggagc tacgatggaa tgacacgaat agacgcttgt 240
gtaccgtgta ctctcgccct ctaatgaaaa taatgatcca cacggactgg aaggaggaat 300
agaggcttcc tgtgacccat aataccgctg acttcaacgt cagcgtactt accgcttctt 360
cgatggatca gccattagag gagagtggcc gggatctcaa tcggatcaca tgaaagagat 420
cgaacaacac atgatatcat ggccttgccg cgagcgatcc ggcaccaatg aatgaatgag 480
gctggacaca aatgggcgcc acggtttcga gagaaaaacg ctgcaaattc gaa 533

<210> 35924
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35924

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ctacaacaat tgtagcaaga cctagtatcc ataatgagag anaatttgtt gtttaatacc 120
ttgcatcttg tatgaaagat gttctctctt taagtttggg ttacgccaca agattaactt 180
gttggatcga gtggcctcag atcaattaag aaggggggggt taaattaatt attcttaaac 240
ctttactaat taataattac tctgttaagg cttttactaa attgttaaga gaatgacgac 300
t 301

<210> 35925
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35925

accgggatcc ttaagcacct gcagctgcag cttttttttt atttctatca gctatcccag 60
 aggagaacga ccaagtgtgc cacacttcat agcatgggag gagcattgat attatcagcg 120
 aagcctgaca cttgggcatt nttccatgga cacaatgac gtgtcctagt gagccataat 180
 accctgcctc agactttcgc catggcatgt tgagcatgct ccaaggatcc tatgcattca 240
 tagcattttc acctcctgac tcaccatcga gcaaacatta tgggtctctg acagaatcca 300
 ctgagaaaag cgatgccctt ggacattttt gtgtgcgaac ctccatgggt tttgcttcat 360
 tatgttattc 370

<210> 35926
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35926
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 taatccctcc agaatgaaca tcacaggcaa cataaatgct gaccttcccc agtgcggtacc 120
 atgtgtggcc taaggaatag gaatcgtaaa atttatttcc atgcgtatgt caatatatat 180
 atatccatcg ctgggtgcata cccggggaat atctgagctc ctttattgta ctatattctc 240
 tcataact 247

<210> 35927
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35927

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 ggtgattttc caccatggag atgcagcgga agacaaagga naggaggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg agaggatgat tcaatggagg aaaagataga gggagagaaa gagggagggg 240
 gagcacgaaa ttgaagggaag aaaaaggag agaagttgaa ctttgagttg tgtctcacia 300
 gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactangta 360
 gcttccttga gaagctntct tgatgttagt gtntagctct actg 404

<210> 35928
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35928

agcttggttt tggtatatat ctccccacct gacgtcccaa ggtcttctga cccccgcgac 60
 atatctccag gtaccactnt gtggtcaacg aataaaaagta ggaagactga ctcttccaca 120
 ctttctcact tcaagcttgt aggattatgg ggtacccatc atatatggta ctaggtggca 180
 atcgggcgat ggtgcaagtc gactctccac atccacaaat cacagataaa tccaccatcc 240
 ccagttgccc accttcaact gagctcacgt actcccacgt agcccttata ctcgttcttc 300
 tcaacaccgg gtcccatca atccctccaa gttccanaa catccaagca attcaacatc 360
 caaacatcat gagctatcca aaccaagaaa acagggcaga ggcagattac tctgccc aaa 420
 acacattcca ataccacagc tntccttact canataccca gt 462

<210> 35929
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35929

agcttcaaca atggttagat ggaccatntc aagtgcctga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccggg gagtataatg ttagttccac cttcaatgtc tttgatttac 120
 ctctttntga tgcagatgta gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgagga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgcgt tccatactat 300
 tngaatacaa gcccaagttt caaggagaat agtccaaggt tgtgagttgt atcatggccc 360
 anatggagga tgactatatg acaccactct tgtctcaatt tt 402

<210> 35930
 <211> 64
 <212> DNA
 <213> Glycine max

<212> DNA
<213> Glycine max

<400> 35933

ggaaggggaa aaaaaaagaa aagaaagaaa ggataaggga agaaagaaaa ggaaaagaaa 60
gaagagagaa acagagaa 78

<210> 35934
<211> 240
<212> DNA
<213> Glycine max

<400> 35934

taggcgcgca cacttttagc ccgagggagc ccgctgtaac ctaaaggctc tattattctt 60
catgctattc tgggaaaaca gagacctggt aaatccccct actccaggac tctatgatga 120
tgtcatttac acagtaccct cgtaagcagg atgaaacctt catgctaagc tactaggacc 180
caggtccgaa agctcaaata tagactcact agaaaaccgt aattgaggct gcagcctttc 240

<210> 35935
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35935

agcttgaagt gngtatccca caatcttttc atagtagaat accggtaatg tgtctactat 60
cattgtcatc attttttttc ggctattgag gtgccacttg agctgccagg tctctccacc 120
tttggttgta ttctttgaaa gatctgtgcc cctttttgca catgttctgt tggtgcatcc 180
tatccagaac catatcaaaa ttgtactgat actgcctaac gaaggcaacc attaggtcct 240
tccaagaatg gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa 300
gactttcttt ggaaggaatg tatcaacaat ttctcatctt ttgcgtat 348

<210> 35936
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35936

ncaagctttt ctttttagctt tgctacaacc tttatctccc cctgtggcaa catcaaaaag 60
 ccaaagaact cggaaatcaa cacagttata acaatggagt agcaagatat aagtatcaga 120
 gtattaaatc caataagcca aactcataat caaggaaata atcaaaccag aattcaaata 180
 acataaaatg tcaacaacca caaaatatcc aagactgaaa cacaagaaaa ataagcaaag 240
 tacttagcat aataatgtaa attctaagaa actaagagcc aaaatacacg gcttataaaa 300
 gataaataag cagaatctaa aatctatgaa gacgaaggag gtggtggaag atcaaaactc 360
 tgacgaatgt atncgacatc ctcttcaagc tgtgtaagac gaatgtccat accggcanag 420
 cgtgaatcta acgagtcana gcggtcacca acatac 456

<210> 35937
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35937
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 acacaatgaa agggcacagc ggaaaaacaa aaagacacgc gaaaaacgaa caaaaaaagg 120
 aaacaaccaa acccaaccac accaaccaga ccaaaaaaac aaaacacaaa aaaccaaaaag 180
 gcacaaacaa agcaaaacaa ggaagacaca cccaaaagac agaacaccca caaaccccaa 240
 aacaaccaca gcacaac 257

<210> 35938
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35938

agctttcttat ttatgcaatt cttgnggggtg aagctccttc ttcttgggt tattccctag 60
 tggatgggtgc ctccccctctt ctcttctcct ttgccttcgc ctgcatctcc atggtgaaaa 120
 atcaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa gctccacaag 180
 taagcttcca tcatgtataa atttgcatag aattctttca ccaatacag gtctatgctc 240
 ccacgggcta aattgggtgag gcgtttatgg aaattacgcc tctccagctc ggtcttaaag 300

tcacctaact cagtgtgata caactctact ttccctctcaa gtaaaatggt tcttcctaga 360
acattatcag tgtattttggt ccaagcatct aatgaagaga atctccttgt gtcattattga 420
gatg 424

<210> 35939
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35939

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tcgcttaaca cgcgaattaa gcgaatgtta catgtggatt ttttatattc taatataaaa 120
aatatataac attaataaat aaaatgtgta aacaaagtaa aaaatatata atttaagtgt 180
tttttatata atctaagtct tgctgaatga tgatataata ttttgagtta gtataaaatc 240
atatattaag taaatataat gtaaaaaata tattttaagt aatttagatg caaattgtgt 300
tactatttta gataaataga ttgtgcatta aaaaagttat agatagattt taatatgatc 360
ttatatcggt caaa 374

<210> 35940
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35940

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atggtagcat atacttcaga tcatctttct tcaagtgaat ttgaacccca accgtangaa 120
aggcagtaag gcacatgttg tgagtctaga ccactcacia gtattttagt catgtgatga 180
gcaatttatg tagtaacata ataacatgcg agtcttcaac taataagtat tcaagctatg 240
attatgaatt tgctctcttc ctttttgatt aatgctntct aattgtggta agtgtgtcat 300
aaagtgtttt gttatacgac agttaaaaca agttaattgt tgacacaaaa tattttgtta 360
ggcacatta attacttata caactaataa gtcaataaat gggtagtggt tggtatgtnt 420
gctaagtcaa ccatcaaact taatctgtga ataact 456

<210> 35941
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35941

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 aaagtctgag agaccataca agtttcctag cgattttctaa ttatgtggga cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatntcctt cgggggcgga gtaggtgtcc 180
 gccatcgcct tggccttggc taacaatcgg ggaagttcctt aactcccggt caaggtaaga 240
 gcaaaccgat ccattccacac cggtgcctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt ctgcgtatac ttgggcatac tcgtccgcga ccctatgctc gt 352

<210> 35942
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35942

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 ttatgcgcgc attgtggatg tggaaaactt gttgtgcacc atcgcccgac tgccaccaag 120
 taccacatgt gatgggtacc ccataatcct acaagcttga gatgaggaag tggtgaaggg 180
 tgaaacttcc tgcttttatt gttgaccaca gagtgggtacc tgtagatatg tcgcggggggt 240
 caggagacct tgtggacgtc aggtgggggtg cta 273

<210> 35943
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35943

ngaggctcct agtatcgtgc agtacgggaa tnagctcgac ccgggatcctt ttaatcacc 60
 tgagcttcca ccttgaaatt gttgnttcta acctctcgct aacctatctg ctggcttagc 120
 gactggccgc aaagcacaac actcatgggc ttagcgtgaa gaagactcta gaanaagatg 180

aattggacca gttcgcttag cacaccactt catctcacia agcgcaccgc ttncgggtcat 240
 cttgctagcg agaaaggcac gcgcttagcc agcattcact aatgtgcgct aagcgggtcca 300
 taagtgcgct tagcacatga gcacgaacaa tgccacctat ttaagcctga tattagattt 360
 tagaaagggg agttggactg ggattcagag ttttgcattg ctagagggtc tagaaagaga 420
 aanggtccca gtnccataaa gtttgagaga ttttgtgtgt aagatctgcn agaccagagc 480
 ttgagcagga ccgattcaga cttgaatgag tttggagtg 519

<210> 35944
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35944

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 tccaatatga aaaatcatca acccagaatg agtcaacatt attntgttct ctaatgccag 120
 gtctcataag ataacaatac aaacaacatg tagcatcttt tgatatatta tattccaacc 180
 aattgctaaa tttcaaaaac caatcacgat taaactttca aattagagtc ttaaattggt 240
 gtattggaaa atcatgctct cttggctgac aagggttcttt ttgctaataa actcttcgga 300
 tgttatccca attattagga tgataacatg atattntggt cctctctcct agaatagcat 360
 gagaatattc cagatcaact tctaagactc tttgtttcac atatgactat aat 413

<210> 35945
 <211> 270
 <212> DNA
 <213> Glycine max
 <400> 35945

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 tgtgcagaaa tatttgcaac ttcatttgca ttactctctt gcaaaatgtg tggaaatgct 120
 attattgttt tggcatctta attctgtatt ccttattgct ttggctaata ggatcattgta 180
 atacgttgat attccaaaga tgcattgtag tagtaactct tccccaaaaa ttataattat 240
 tagagctata tacaatgaa gttcaaacct 270

<210> 35946
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 35946

agcgccgagc tcgaaacaac aaaggaacgc ggggaagaca cgagctaccg aacgattttg 60
 ttcgccacac aacagggggg ggggaagaaa accccccccc caacagagaa aaagaaaaac 120
 cgggatgaag acgaaaacag aaaaaagcac agcaggcaca ccaggggaac acagccacaa 180
 ccaggcccgc acgaacgcgg gagcaaacc cgaaggaccc gcacaagagc caacaagaag 240
 cgggaaaaag agacaacaag aagaaacccg taagacgaca aaaggaaata gaacaggcga 300
 gcgaaagcca gaaagcgcag agcaaaagag aaggaccaag agggagaagc aggcagacgg 360
 g 361

<210> 35947
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35947

agcttctgnt tttcaanttt gagcgtgtag atgacttatg tgcgcatatc gaacattcgt 60
 gggaaaactt atgaccattc gaatatctcg agagctaccg ttgttcaatt tcgagcgtct 120
 cgatatatta tgacccccaa tcggacatct atgtgaaaac gtatgaccat tcgaatatct 180
 cgagagcggt cgctgttcaa tttcgagcgt ctagatgagt tatgtcctcg aatcgaacat 240
 tcgagtgaag acttatgacc attcgatttt ctcgagagct tccgttggtc aatttcaagc 300
 gtctcgatat attattgttc ccgaatcgga cactctcgaa 340

<210> 35948
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35948

agcttcatga ttgattggcc tcagcaaact ccttatttcc agaagggaat tctatcaata 60

gacctccaat ctttaaatgga gaggggttacc actactggaa aacccgaatg caaatTTTTa 120
 tcgaggcaat agatctaaat atctgggaag ccatagaaat atggccttat ataccaccca 180
 cagtagagag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atgggtctgaa gaggatacaa cagcagtagt atacaactta taaaccanaa 300
 acataataac atctgcccta ggaatggatg aatatttcac gggttcaaat tgtaagagtg 360
 ctaacgaaat gtgtgacact cttcgattac acatgaangg actacagatg ttaaaaatct 420
 aggataaatg cactaactca tgagtatg 448

<210> 35949
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 35949
 aaaacaggga aaaaaaaaaag agaaaatttt gaaggaaaag aaggggaaga aagagaacag 60
 aaaaaaaaaa gggaggaaaa gaaagagaga aaaaaagaga aaaagaggga gcaggggaag 120
 acaagaagaa gaggggaaag gaaagaaaag aaaaagagaa aaagaggaaa caagaagaag 180
 gaacgagaag aaaagaaaaa aaaagagaag aaaaagaaaa ggacaaagaa acaggaagag 240
 aaaaaaagaa 250

<210> 35950
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35950

ccaaggacaa gcgaacgaaa gcaaagggat tntacccean ncaannnaaa gagtgtctac 60
 cctcatcaca cnnaaanaan ggganngaga gnnaagaga gagaggagga gattgtgtgt 120
 ttataggga gaaaaagggg ggggggagag gagaaaaaaa aaataaaaaa aagaaaaggg 180
 aagaaaagaa gaaggaagga ggaagaaatt aaaagagaag gaaaagagaa aattgaatga 240
 agaaagtgga agataaaaaa aaagagtaaa ataaaaggat aaaaagagtg aagagaagga 300
 agagaaaaaa tgaatgaaga agagaaaaat taaaggaaga agaagaacga aaggaaaaaa 360
 ttgataaaga ataaaaaaag aaaatggtta taagaagaag gaggaggaaa attaaagggg 420

aaagagaant gaagaagaat gaaaaatgaa ggaaggtgga aagaagagga agaagaagag 480
ggaagaaaag aaaaaaaaaa agatgaagag ggc 513

<210> 35951
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35951

agcttctgtt tttgtggcag ggcgggcttc cttcactgtg ttgtctcaac tgcgagcttt 60
ggccactgct nttccatccc gcgatgcttc tcttcatatc cgcctgagtg ggcttatagc 120
ctaaaccata cttcccacga tttcctttgg catttatcag gctagttatg ccgccgctgt 180
ctttgcctaa acccattccg ggttcgtaac cgttcccaaa cataactcgg gccatcatta 240
ctgctgcacg ggacaggcaa ggctaccag agaaggagtc cacagaggaa atgcttacca 300
cctcaaaaga ctagaaagcg gtgtctaacg attcctctgc gggcttcaca ta 352

<210> 35952
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35952

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ttgcatccct gccttatata cactcttgct cttgaagaac aaccatttta tgctatggat 120
caaattcatt atattttatac ctgacctatt aaacactaat gtatacataa taacctatga 180
aacattaagt gctagctcat acatagctat gaacatgtag ctagaccatc ttgtggtagc 240
aaactccttt cttgatccaa tgtctcccta attgccttgt aaaagggttat ccatgaagaa 300
gagtatgcat caacaggacc ccacataaag gtatgggttg gacttgcanh gcatgcagta 360
accaaaaacca aaactgaaac tggcttaata ttctgtggga aattgaatgc caagttatca 420
ac 422

<210> 35953
<211> 306

<212> DNA
 <213> Glycine max

<400> 35953

actgcatggc tgtgtcgagt gaccgtaatt gcaatgatac cggtaatgta ttgagtagtc 60
 ggctctcaat ggcgtgtag ccctttttgg catggccaaa atgtctacaa ctaacgcctc 120
 atccatgata tgagatctat tggctgtagc gtgagtgtag caagcataac acggccatcg 180
 gggtggtcga tccctcttct cgtagtctcg agctttgttc gagtcgggct tatcatgtct 240
 atattggccg aaatggcata cactcacacc tgttgaggtc gactattgac aaattatgtg 300
 cttaaa 306

<210> 35954
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 35954

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 tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaattg 180
 agtcacatca ctgcttcgtc tactgccaaa catatttagg attattgatg tccttgttac 240
 ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
 cccatatctt gcgtaaaaaat tcgcaatact tcaactgtgc atcattcgca tgcattccatg 360
 ctattcattg gttgcattgc tcgttgcatt ctttccttga aaaatacaaa aaatgaactt 420
 atcattg 427

<210> 35955
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35955

agcttcagct gttctatttc gagcctctag atatattatg tccatgaatc agacatctgt 60
 gtgaaaagtt atgaccattc gaatttctcg agagcttccg ttgttcaatt tcgagcatct 120

<210> 35958
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35958

agcttattgt tttatggggc gcccgtcata tgtgggtacta ggtgggtgatc gggcgatggc 60
 gcaaatacaac tctcccatctt ccacaagtca ggcataagca cacaatcccc agttgcccac 120
 ctttaaattg agctcacgca ctcttatgta gcccttatcc tcgttctctt atgcactggg 180
 tccccatcaa cccctccaag ctttcacaat atccaaacaa ttcaatttca tttgtcatga 240
 aactacccta aaccaagaaa aacagagtgg aggcagaaaa ctctgcacaa aactcattca 300
 aattccacac tgtttcctac tcacataccc cagtaacatt ctcttcgttc tgattcgta 360
 accattggat cgcttgaac atttactgag ggttcttaat acagaaatct 410

<210> 35959
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35959

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 tcaagggttg agaagtgaat atgagaatgg ggtaactttg gagcaaaactc tcattctcaa 120
 caattctata acattaatct aaactctctc aaactgtttt tacgactaaa actctaccga 180
 atcaaaattt gactcctcaa cacccaattt accctataaa tggtctttgc cttcactttg 240
 gtcactcatt ttctcctttt gcacagccca agctttccca cagtctctaaa tgacatttca 300
 aactaggatt aactcactct aacctccaat aaccactaaa tccagatgtg gctcttcaaa 360
 tctctgaagc atcacactct ttcactcata tcactacatt cttaattctt aaccttaagt 420
 taactctacc cttcatctct atc 443

<210> 35960
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

<210>	35961
<211>	400
<212>	DNA
<213>	Glycine max

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gctcataaac	gcaatatcca	ccactccttc	attggtctgc	caggtattgt	gattacagca	120
ggggagaata	atcacattct	cctctgacga	cactttctga	tactcatcac	tctttctggt	180
tgttatgtca	gagggaatgt	cgacgatgaa	ttccctgact	agactttcat	atcaatctcc	240
caacttggtg	acagtattca	acagtccagc	aaccttgatg	aggacatgat	ctccttgcca	300
tccacagcat	ctcttaccag	agctctgtgt	aatgcaagtc	tcgcgtgata	tacaaaatta	360
cacctttcaa	catctgcaat	ggagtggaa	tgaatgttgt			400

<210>	35962
<211>	421
<212>	DNA
<213>	Glycine max

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atgcattatg	taccatgttc	aattattttg	ttttgttggt	gagtgttttt	ttttagaaat	120
gggtttatga	tccaacatg	gttggtcat	ggtgcctaac	acatgcaact	aataatgtag	180
tgtgaagttt	cacgcttcca	cctttttgtt	tttgttttgt	agaggaaaac	gcattggatga	240

gcaaacatga taactgatgg tatgcaattt tgcaaatcag aaagtttggt gaacgcatat 300
 gcatgatgat gccatgactc atgcgatatg tgatgttggga atatgataac gtgcaatagc 360
 aggaatgata tgttcattat gatgtcatga agagatgctt atgcgatgca tgatatgaat 420
 g 421

<210> 35963
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35963

agcttccaag atttattatc aagattcatt caagaatcca gagaagacct aattcagaat 60
 tagttttaaa aagttttttt caaaacctga gtaccacatg aaattttctc aaaacccttt 120
 accaaagagt ttttactctc tggtaatcga ttaccagatt attgtaatcg attaccagta 180
 gcaaaataat tntcaaaaag ctttcaactg aatntacaat gttccaattg atttcaaaat 240
 gttctaactg attacaatgt tttggtaatc gattaccagt gtgtttgaac gttgaaattc 300
 aaattcaaat gtgaagagtc acatcctctc acaaaaaagc tntgtgtaat cgattacact 360
 aatttggtaa tcgataccag tgatagtctt tgaacaaatc anaaaatgta actcttcann 420
 atagttttta ctttttttaa aatgg 445

<210> 35964
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35964

agctttcttc ttattatatt aataccattc cagagtttct atgtgcccac taatttaatt 60
 acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120
 accaaggccc gatthttgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180
 aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatthgtg ttgttattgt 240
 ctttgaaaat tattatatct tttgttcatt tgttttccat tatttatgat tgctccattt 300
 ttggctgcct agctggctag ctttttagatc aacggaaaca atgggttgat tctaaaggg 360
 ag 362

<210> 35965
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35965

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 ccaacaagtc agccaccatt tggctctcca aaatgctgat gcctatgttg ccaattgggc 120
 ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa cccaaaacat 180
 atntttggtc agccaacttt acaaggattg ggccattatt tagacaaact aaacactcta 240
 aaattgagac aaggtgggtgt catttagtcc tccttcattt gggccatgat acaactcaca 300
 accttggact tttctccttg aa 322

<210> 35966
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35966

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 ggagtatgac agtcaccgct ttaggagcgc tgtacaccag cagcgcttcg aggccatcaa 120
 gggatggctg tttctccggg agcgacgcgt ccagctcang gacgacgagt atactgattt 180
 ccaggaggaa atagggcgcc ggcggtgggc atcactgggt actcccatgg ccaagtttga 240
 tccagaaata gtccttgagt tntatgcaa tgcttggcca acagaggagg gcgtgcgtga 300
 catgagatcc tngntaaggg gtcagtggat cccgtntgat gccgacgcta tcggccaact 360
 cctangatat ccgttgggtgt tggaagaggg ccaggaatgt gagtat 406

<210> 35967
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 35967

atcagcaaag cacctaaggt gctctgtatc tatatgcaac attcatattc cagacatgaa 60

gaggcacaag cttgaagaca agactatacg acgtatcttc cttacgtata gcaatatgtt 120
 taagggctac cgtgtctaca acttgcaaac taagatactc gtcacgtcgc agatgttgaa 180
 gttgatgagt acgctgctcg gaattgggat gaagaaaaag tggagaaaaa cgttcttatg 240
 actactcaac tacctcaaga agaaactgag gaataagacc catgtgaacc accttcacct 300
 ccaccacaac aacaaatcag gaactatcat cactagagtc tgctctaaga cgagtaagat 360
 ctttactgga catata 376

<210> 35968
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35968

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 atgatgattt cagtcttttt gtaaagagat tcaacaaatt tctaagaaac aaaggaaatc 120
 aaagaaaaga gtagaagatt catcctctct tgcaaaatgt tatgaatgca atcaaccagg 180
 acatctgaga gttgattgcc caagttttaa gaaaagaata gagagatccg aagagaaaaa 240
 ttccaaagat aagaaaacaa ataaggccta cattacttgg gaagacaatg atatgaactc 300
 atctgaagat tcagaaaatg agagtgtaaa cctgagtctc acgacgaaga attatgatag 360
 cgatgaagaa gaacatcttc taataacaca ttatatatct cattngatga attacaagat 420
 gtattcactg atntacataa agaatcaat 449

<210> 35969
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 35969

atcagacggt ggtaaactgc gtggattgcc cctagtcatg tactatatgc agcaaataat 60
 gagtttctca acaagcacct aacaaggggg taaaactaca gctatactca aacgatatcc 120
 aaatgagctg atattttgtg aggaacaccc taaaatcatg aaaagatagc acaaaaaatt 180
 tcaaacaaaa attcaaagtc aaaatatgaa aactacctaa gcaaagttaa gaagaataag 240

acactaatac taaaaaata ataaaaacct agtaaacggc tgatatttca agtttaaac 300
 ggaaatggac ctctgggtga ttgccatggc atggggacatt ttcttctacc ccaaagcat 360
 atataataat agtcattctg ataccgc 387

<210> 35970
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35970

agctntacat ctaattcaat ggccgcctga atcccgaggg tgcattgctt gtactcggcc 60
 atattgttgg tacaatcaaa acctatccta gccgtgaaag gaatacaatg atcatccggt 120
 gatacaagga ctgcccctac tccgtggccc aaagcattaa acgccccatc gaagcacaca 180
 atccatttgt gtatgtcttc gtgcgtctgc ttgtcttcaa acagggccat gatatttca 240
 tatgggaact cgggggtgcat cggccgataa tccgggagga gttgctgggc caaataatcc 300
 gctaattgac ttgcctttac cggcttttgg gtgacgtaca cgatattgaa ttcagataat 360
 agtacctgcc accta 375

<210> 35971
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35971

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 acttggtcac gcttaggggc tcgataaact cgtgaccctt ctacttgta aggctaccat 120
 cctcaacatt agacaacact tagccacgct tgggggcttg ataaacttgt gacccttcta 180
 cttgtcaagg ctactgccct cgacactaga taacctccat tgacattaga caacctctt 240
 tgcccacaag ctggctcaga gattgngggg cttatgtaca gtccagggtc caaaaatac 300
 atgtgacang tgacatggca ctccaataac acatcaacc ttcatgtcag ccttggcata 360
 ggagtata 368

<210> 35972

<211> 414
 <212> DNA
 <213> Glycine max

<400> 35972

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 tggaggaatc ttctagaggg cccaagtggg cctgggttgc atttgcacct ccatttttac 120
 taagtacacc cacctacctt ttttttgggtg attctttttc gttaaagttac ggaaacttac 180
 gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc gaattacata 240
 atcatcccct ttttgactta cggaatgtta cagaacctca ctaattgtgc aacgatgctc 300
 tcatttgatt tccagggtgt cacagaacct tacggatcgt gcataaatat tttcttttgt 360
 tcttcgacat gtaccggaat ttcacaaatt gcctaataat gggtgccaag cacc 414

<210> 35973
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 35973

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 acaataaatg aattgaaatt ctgaatttg aacacttacc ggttaaagac cgaagaacga 120
 acgaagaacg gtgaagaacg gtagaaaatc ttcacggatt ggctcacgaa aatgtctcgg 180
 aagcggtaca aaagcacctc agcttggatt ttcttcacga aaatacgttg ttttttactt 240
 aaaacagctg aaatgcatag cataggggtc aaggatcctt tggaacagcc ctctcgcacc 300
 tatttataga aaaaaggggg tggagcttgc cgcctagctc gcctatgcga gaagatggct 360
 tcctcgggaa gtttcctgat gcacccccca atttgataag tcacccctcc tttatacttt 420
 acggaacatt ac 432

<210> 35974
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35974

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accttccatt tccataagtt caccctccgt ttcgtacttt acggaaaagt tatggaagca 120
 ttacggaagc ctatcggaact tgatattctt cttntttgtc cttcctccca ccaatattaa 180
 gtggaaaagg cttaccacgg gttacaggaa ttttagggaa gcattacgga agccctagag 240
 gcccgttttc aaaaaaagag ggaggtgttt gccgccagc ttgccaggt gagctggttg 300
 cttagccagg aagcaagaaa aggtccagaa tcctctagat gggcccagat tcaagaattt 360
 ctatttgcac ctncatcttg ataagt 386

<210> 35975
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35975

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 atagtccagc tgcengcctg ccagcatgtc tcatagttgt acagcatgga cagcgcagcc 120
 gtaggagcta gttgcgctct tgagtatgct attccccgtt tgacgagcgc tgttcgccag 180
 cttcgctact aagccatcaa tgggtggacg cttcaccagg agcgatgctt cctcctaagg 240
 acgactagtg tactgacatc cattaggagc atgggctcct gccggaggga ccgatgctta 300
 ctcccatggc ccacatgttc cagaaacacc cctctgtttc tatgaaatgc tctgtcacct 360
 atgacggcga gcgtgacatc acatactgtg ttaagggcca gtggatcccg agtgatgtgc 420
 acgctcttag acatgctctg cgacaatctg tgggtgnata agacggcccg actcacccat 480
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<210> 35976
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35976

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 tctagaggac catcctanaa ggcccaagta ggcctgttt gctattgcac cctctgttt 120
 actaaataca tccccctgcc tttttttgct tattcttttt ccgtaacgtt acggaacttt 180

acgaattccg taacgatact tgttttcctt tccgtatggt acggaacctt acggattacg 240
 taatcacccc ttttttggct tacggaatgt tacggaacct cacgaactgt gtaacaatgc 300
 ttcctttnga tttccngcat gttacggaac ttcacggatc gtgcaacaat gctctentat 360
 aacttctggc atattatgga acttcaggta ttgtgcaaca atgggtgcca agtatctcga 420

<210> 35977
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35977

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 gagctgcatg ctgccagctc gtattgttgt tgatccgaat ggtacatgcg cacgaggag 120
 ntgtccacac atattgaccg atagctatct gtgctctaga gagagcgatc tctctcacta 180
 cttgcgtgat tcaagaccgc gatggctgaa tcaaggacat tcacaaccct cgtgagtagc 240
 cctcgctgga aagagttagt ctttactctc tatgctgccc caccgttggt cgctagagac 300
 acggtaccac aatatccacc tctggacaga atgatgtggt gaccatcact cgcattgaac 360
 acgactcgtg ccatgtgatg tctggcgcta gattgagttt gacgacgaga cttttccctt 420
 ggctatggat gaccacatag ggagccatga gcttgcggtat ctgcatctct atatgtagtg 480
 anacaccact tacctacatg caccatacca ttctg 515

<210> 35978
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35978

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 cgtggccctt taaacgataa aaccacttgt cacanaacat aatcgaacaa cataacgact 120
 ataattatgg ctatccaacc agatttaaca aacaacttgt cgaggggtga acacccccag 180
 acccaaacca cagtgcgtat agacaaaaac aacaatatgc cgagaatata tattataaaa 240
 taaattcgca tgccattgat gtaattgcca gagtttgctc tgtgccactc ttatcattca 300

ataatcataa tagaatatag gcacacatga gaagatagtg aatcaacaac attagactnt 360
tcaagcgatg 370

<210> 35979
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35979

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cggagcccca tgaatgtcat tgcctagcgc tgttcatgtg tcttccacct tcgagtctgg 120
agccccgcga atgtgattgc ctatctctat acgccaattc tccattctcc acttttattc 180
ggagcccat gaatgtcatc gccaaagcgt gttcattcat cctccacca aagagtatgg 240
agctaagctt cttgattgcc taagtgtgga ccctctatgg caatcctcca ttctccactt 300
tgttcggagc cccatgaatg tcattgccta tcaactgttca tgtgtcctcc accttcgagt 360
ctggagccc 369

<210> 35980
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35980

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tatgttccgc ttccggagta tgaatagtcc ccgcttttag gagcgcggta caccagcagc 120
gcttcgaagc catcaagggg tggtcgtttc tccgggagcg atgcgtccag ctcagggacg 180
acgagtatac tgatttccag gaggaaatag ggcgccggcg gtgggcacca ctggttactc 240
ccatggccaa gtttgatcca gaaatagtcc ttgagtttta tgccaatgct tggccaacag 300
aggagggcgt gcgtgacatg agatcctgtg ttatgggtca gtggatcccg ttogatgccg 360
acgtatc 368

<210> 35981
<211> 446

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catccaccac gccagaataa ttcacagcag caatcatcca ttactggtag ctctagactg 180
gtcacaggtc ctccaggtata tactgggggtg gatacatgta tacatataca cacagagaca 240
gcgttgttgt cggttccctg tgtatcatat cgagtcgggc agccaatgga tgggatcatc 300
ttcaattttg tcgggaatct ctattattaa gtatcaaaga cccgatcata attatag 357

<210> 35984
<211> 386
<212> DNA
<213> Glycine max

<400> 35984

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tttctggctt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatgttgga caagaagctg ttctgaaatc 240
tgatggtgat ggcaactggc acatagcttc ttaaactgat cccagtactc atacaggctc 300
tctccactga gttgtctaata acctgacata tcactcctga tggctgaggc cctggaagca 360
aggaacaaat gttctaagaa tactct 386

<210> 35985
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35985

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ttttcctgta catgaccgtg ttgaacgagt ctattgggtg catgttgggt cagcacgatg 180
attctgggaa aaaggaacaa gccatttact atctaagcaa gaagtttacc gcatgtgaga 240
tgaattactc aatgctggaa aggacgtgtt gtgctctggt atgggcataa catcggctta 300
ggcagtacat gctcagccat accacgtggc ttatttttcaa aatggatccc gtgaaatata 360

tctttg

366

<210> 35986
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35986

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tgtagttgca aacaaaagct ttagtgtcaa agtacatgct tgaccagtag aaggaggtgc 120
caagcctaac caaatTTggt tgaggTTtaa agtgcctgt cgttggggag gagtggTgaa 180
gattggaaaat ctaaggcaca aagagtcaat tctgtaagta caataagcct ttttgagact 240
ctgaaagtta tttgcatgct ttcacatatt tcaacttttc taatcagtta tttgccttca 300
caaggtcttg catttaaat ttaggttat gtttcgttc actttgtaat ctgagccact 360
gttggaatat ctgccaaagg acttgcaaca tacttctct ctacaacaag tggt 414

<210> 35987
<211> 199
<212> DNA
<213> Glycine max

<400> 35987

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gaagaactcg gctacatgca gatcgtctta tgtcttgata gggatttacg cttatttcta 120
ctgtatcaca agagcgtctt gtgagatacg tagaatatgc tatcacctca gctgcatgta 180
cgcggaactat taagcattt 199

<210> 35988
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35988

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ttccaccagg ggtaaatttt taattcatgg caacctgggt aactaggttg actaaggctt 120

caaattttcc ttcaagcttt taattttcag taaatgaaga tgaatccgtg gccacctcat 180
 ggactcctct aagaataata gcattcattt cttgcactga attgttgnga gtttgaaacc 240
 atctttctcaa tctaattcct acctcagcag gggtcataac accaagaact ccaccactga 300
 cagcatcaat catactcctc tccatgttgc taagtccttc atnagaatat tgaagaagtc 360
 ctcagaaata tgggtggtgag ggcagctngc acacaatttc ttgaattttt ccagtacn 418

<210> 35989
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35989

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 acaaatcaca cataaatcca ccatactcag ttgcccacct gtaactgagc tcacgtactc 120
 ccacatagcc cttatcctcg ttctctcaa caccgggtcc gcatcaatgc caccaagctt 180
 acacaacatc caagcaattc agcatgcaaa tatcatgaac tatccaaaac caagaaaata 240
 gggcaaaggc agaaaactct gccacaaca cattccaata ccacagtntt cctcactcag 300
 atacccaat aacattgatc tcacacaagt ctataacagt aatctaaa 348

<210> 35990
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35990

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 ataagatcat gcaatcaaaa tctctatag ttgtattacc cctggaacan atatataaa 120
 aaaataaggg gctctaaggg tatgttaagg aaataaataa taaaatatct gaataaaatt 180
 caaaaanaag gtttgaccta attaattgtgc caaataaaca ttttttacct cgtgttatgg 240
 ctattggtta ttcttaaaaa atag 264

<210> 35991
 <211> 377
 <212> DNA

<213> Glycine max

<400> 35991

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gactcaaaac tcaagaatca agagaaaact ctatcaagat aagtactaaa agagtttgct 120
aaaatattga gtagcgcaag aatgtttcac agaattcttt accaaagagt gttactctct 180
ggtaatcgat tatcagaagg tagtcatcga ttaccagtcg tcatcattgt tttcaacact 240
gatttacata gctatgatcg attaccataa tcatgcaatc gactaccaat attctataac 300
gtgagatgtc aaattataag agtcacaact agtgagtaaa cattgtcaaa tcagttttaga 360
cttgtgtgat cgattac 377

<210> 35992

<211> 679

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35992

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tcctctagat gtcgatcctg catgggtcatg ccaagccttc actaatttta tatctcaaaa 120
taagaaaata caattgaacc actgtcgtgt tcattcattc tatgtatctt ttcattggca 180
ggtagaaact tgacaaattg gagcaaaaca gatacttctc cactagacac catgtcacia 240
cgtctctagc gggcgacgag aagaattacg acagcatatt ttactttcat atcacaagga 300
tgcttctctg tggagaatac agtagaaata acgtattacg agcaacaatt ggtattagt 360
cgccataaga tatagcactt ttctcacagt actgtaaaga aagaactgta gatcagacat 420
ctcgtgatac tacacacttg gtgcagggct ggggtgtgta tcattcacta tgtannattt 480
cttatagaan gtatcgaacg atacatattc acngccagta tgatctgact tcaccatcgc 540
cctcttcgta tgaagaggat accttctcga ctttctcttt attaanatct catcaattcc 600
gcntttaatc atacactgtc gtgcatatac ctgattggac tctatctgac cttattttgc 660
gaatgntatt ggccgtcgn 679

<210> 35993

<211> 487

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35993

gctcgacccg ggatctctaa gcacctgcag catgcagctt gagcctattc ctgactcacc 60
 ataaaccttg acccaggggtg agaattgtcaa tccttaccct cggaagcaaa aaaagaatag 120
 aggggaaatt tccaatcaaa gaaaaagaga aggaaaattt ccaatgaaag caaaaaagga 180
 aaagaaggaa aattcccca tcaaagagtg ggagaaagca aaaaaagaaa agaaggaaaa 240
 ttccccaatc aaagagtggg agaaagcaaa aagaaaagaa aggaaaattc ccaatcaaag 300
 aatgggagaa agtaaaaagg aagaagaaga aggaaagaaa gctcctgatc aaggatcgaa 360
 agaaaacaga agaaaagtgc agagaggtct ttggaccgga caatatctga acaatacaga 420
 attgccacca aatgaacgan taaagaatga agggaaccac gacctanaat agtcttctcc 480
 ctttgat 487

<210> 35994
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35994

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 gctctgttga gcgagctatt gtgcaacctg caccctccat atcatataga tacgcatgat 120
 ggggctgacg agaacgggtcc attatcatat attaataggc tctcactgta atttatgaga 180
 acaacgatac tgaataacaa taatctgcgc ctacgcatgt ccatgaccct tccttaacat 240
 ttgcgcgatc gacttgtggg cgtaatgacc ttcttctttc ataacacggc aatagtattc 300
 atgacttgtg aattaatcta taagcgatgc cacatcttgt gctcacatgc taactcattc 360
 tctacatata gaatactatc ttgtgtagcg agacttacga ctattggtac aacctacn 418

<210> 35995
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35995

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 acgagcctat ttaaaagctt gcttaaagac gtcttttatt aattaattat tttaaaacct 120
 agtgaaatac taactaaaaa aagaaactta ttaaatttcg tatgaataat gtacaaatct 180
 aaaaataatt gataaacaaa attatattga attcaagtcg ttaaagcaca aagtctataa 240
 aaaaaataaa aatagcataa tattaaaaaa tgtatggatt agagatgatt tacactaata 300
 tagcctaaca aaaattatta ttagttaaat taacaatttc taatccacat tttttaatat 360
 ataattatat tatatatgtt taaaaaaaat atatgcacaa taatgtcatc ttagtctact 420
 caagccatat cttatataat a 441

<210> 35996
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35996

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 agtggccgta gaatgtagag agattgaaat ccttaatgtt cattcaaaat ctttgtgacc 120
 caaaccatag tagaattctg agtctacact ggaagagagg gtctgggcac ttcattgttc 180
 ttcttcatcc gttgctcctc tataacaatt ttttctcct cttttgttg atgggcaggc 240
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 ccaaaggttt ccaaagcctt gtctttatta gcaatagcct tggccagttt cttctgcctc 360
 ttttgccgaa tgtcatccta gttcactaga ggaataagta tgttcctctt gatgtcaacc 420
 ttcattacct tcanggttta caacactg 448

<210> 35997
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35997

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 ctaacggacg tcaatatggc caccgttgaa gccttggaat gaaaaaccaa caaggcccga 120

ttggaaaaac actaccacta caacttttga ggggcctcta tatggcacca ataatgagct 180
cccactcttg aaaggtgaaa ggaatcatct ctgtttanat gcatgaaccg gatggacgag 240
ctatacgctt gccttatgtc tgaaagatat ctgtcccatc tgtctctgtg agactcgatg 300
gaatatgttg gccctcatcg atgagcgcat aaataagcta caattagtgg cgactcacia 360
gcaacagctc caagattagt acgccaacat tctatcatac atggaaccaa tggagatggc 420
attgatatat tgtcg 435

<210> 35998
<211> 243
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35998

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taanaagtta tcgtcggtat aatttgctca gagcttcggg attgcatttc gagcgctctg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt tttgtcggtta gaacttgctc 180
agagcttcca taatcaatat ccagccgttc catatattac tggactcaat cctacaaccg 240
tgt 243

<210> 35999
<211> 568
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35999

agtgtgtag anannanann nnnnggtatg gcttcgngct agnatctncn ggngaattna 60
gcgtagnagg cggatgatcta tatgtagacc tagcatgcat tgctagcttg cgttcttggt 120
ttacttacct cgctgaagat acgaacattc gacgagaggt cgtgatgagt gaactgtcta 180
cacactcggc ttgacaacct ttgtgaagat tggcgctcact gaacactggt acgaggaacc 240
gtatctgaaa gcgcctccag gttagatttt cttgacggaa acgattattc cgcgctcatt 300
cagtggagag aagcgtgcct agagggctgg accccttcct tcttgcatc ctccactatg 360
tatagcgaat taagggaggt ggttgctcct cagactgccg cagcgagcaa ggatgcttac 420

<223> unsure at all n locations
 <400> 36002

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 gtcggagaaa ccggaaga cgcgatctac gaacttttaa gtgaaagggt cgggagttgt 180
 atttacgcac ggtgaaggta ttagcaccac acacgttcgt gccaatggac ggctgcctnt 240
 aatcgaatgt gcaaacaatga ctttgatttt tatgttccct gttatgtcct tatatccttt 300
 atatacttat tatatctttt tctttttgtg gtcgacaagg gtgtatccct ttgtcctgc 360
 tgattcctca a 371

<210> 36003
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 36003
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 cgtcctctat ggtattctgg agtgtaaca tgacctcca gatggaagcc atttgatctt 180
 ataacgtga tagatcggac ttgatctggt cctgcacact ctctctatta tgcattcctc 240
 tggatcgagt gttataggg 259

<210> 36004
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 36004
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 gacacatcgc gcaattcata gacaatgtcg acgttcattg atgcttagcg cacatgtctt 120
 cacgttgcca cacatccgca cttgggtggac aaggcgtaca acaatcctct atcagtaccc 180
 tgctctgcta gacacgcatt gctgtgctcc ttctccatct cacattttct catatactcg 240
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ttcgggtggga ctctctgcct aaacactatt tcctctgatc cctcta

346

<210> 36005

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36005

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tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120

atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180

tgtttcattg gataacttgt tttgttggct atacttcatg atgtattttg ggccatactt 240

gatgtacatt gtatatgttg taaatgttgg acatgctgaa tgaaatgttg tttctcaaag 300

gatatagagt aaaaaaaaaac gaaaaagaca aaaatagcaa taaagtcgag tgaataagat 360

cttaaattggc aaaagaatga tgagactctt ggttctactc tttatgttan aatttatctc 420

tacttctttt att 433

<210> 36006

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36006

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ttgtaaacag attcgcagtt ggtgggttaag gcgttcaaca atcctctatt agtaccctgg 180

tctgttagaa atgaatggct taacacctta tccatttcac attttctcat atactccagg 240

aggggaatag ctgtgcattt atcttatcct cttttgggat tgcaaatgtt ggttttattt 300

ggtgggagtc tctccctagt ttttttttta taggatcctt ctagagccgc caaaatggct 360

ctaggcccaa cccacttggc cctccataat ggtcctagca cgccttagct ccctaatan 420

gngcactata caatcccact 440

<210> 36007

<211> 166
 <212> DNA
 <213> Glycine max

<400> 36007

ctgcggttag tgatgaccac atagaggtag ctcaagatat gacatcgagg tcattgagacc 60
 ttggggacat cactggtgt gctatagccc ataaccaagc gtgacctatc ccgaccacc 120
 ccgggcataa tcagtcaacg agaacctgtg atgtacctaa gcatgc 166

<210> 36008
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36008

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 gtcacgtcca caccaccggc gcttgagtc ataggcgagg ctctgagat tctangagg 120
 taagggtgtg aatttgatga tatagattat gtagaaaaag atattttaat tattttttat 180
 ntttttgatg ataaaaaaat tatttaatta ttgactaaa taattttttt tgatagattt 240
 taatatttct taaaacatta cttannataa catttttcat cattttgatt cacacatcac 300
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<210> 36009
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36009

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 ccacaactct aataaatggg agagaaatgt tcatttagac catacaagtc cctaataatta 120
 tcagatccta caatttgagc tcctatggag caaaacaatg tgtgtctcct agagagggca 180
 tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctatg 240
 tactctaccc attntgcatg cctcttgttt aacttgcttt gccctctaag gtacttaagt 300
 gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtaatgttc ccaagtttgg 360

agggtcttta ttaaggcata aagctc

386

<210> 36010

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36010

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taactatcac aaagcataaa ccaagtaaaa ctacccatca tatctcccaa agccccatac 120
ccacgaaaat ttatgtgaga agaagtctac ccaaactga gatttcgagg tcccacacgt 180
agagatgcac ttcacgactc cgaaaatgcc ttctttttgc gatttgaggc agaaatgggtg 240
accaaagggt ggagctttta tggaggcttc aatggagagg aagaagaaag aaaaagcaac 300
gtgagggaga gggagaaagc ttctganatc ttctgggtgag tgaggagaga gagaaaacag 360
ctctttgggt taaagaggct tttctctttt ctattatttt at 402

<210> 36011

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36011

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aagtccatgc aaaaacatct gaattcattt ggtttttggg aaagtccttc attgttttca 120
aaaattcttt tgctgtgttc tgataaaaaa ataagtttaa aaaaaaata tactagtgtg 180
ttgattcttt caaagtatgt tatgttcaag aaaaaatttt ctttttaact cccagaaaga 240
gttataatct ataactatac taacaaaata tcaaagcaca cacaaattag tcaaaataaa 300
ctcgcgtaag taaataaggt aataaagtac tgaatnttaa tacaaagcga taaataaaca 360
taaagataag ttcacgagtt tgtgaagatc atggctgagg cactcagtct cccccaatga 420
aacaaca 428

<210> 36012

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36012

```

agcttgtcgt ttgttgacat tntaactttc ttaattagac aaggcatgat tgatcatgct 60
gtgtgatgtg tatcagtcta tatgtacatg tacaatttct ctcaatgtca aaccaaattt 120
cgtaagctaa atgtgtactc aatttttaag catatgctac aaaaatcaat actcatcaca 180
acatataccc tcaactgccct ttaccaaaat aaaaacgtgt actcaatttt taagcccatg 240
ctgcagaaat caatgctcat cacaatatat tccctcactt cccttttcaa gataggcaca 300
tcaaaacaca tgatttatgt aatggagaat ggagatacta tagctgaatt cttatgacgt 360
ataaatcgat ttaaggtagc aatttccatt tttctttcct gaagagttga gttcagtctc 420
agcatctata tata 434

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<210> 36013

<211> 367

<212> DNA

<213> Glycine max

<400> 36013

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caaaaagctc aagagaatga tttcaagatt gagtcacgaa caattcccat gagaatgatt 120
tcaagattga gtcaagaaca attcaagaat caagagagat ttgatttcaa gaatcaagaa 180
tcaagaataa tcaagatcaa gattcaagac tcaagattca agaatcaaga gaagactcaa 240
tcaagataag tattaataaag tttttcaaaa cattgagtag cacatgaagt tttcacaaaa 300
tcttttacca aagagttttt actctctggt aatcgattac tagtttactg taatcgatta 360
ccaatga 367

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<210> 36014

<211> 328

<212> DNA

<213> Glycine max

<400> 36014

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aggcgattgt ctcttctgcg ctaagcacia gattgacgct aagccaaata ttacttacct 120

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gtgctaagca cgagaatggg gctaagcgcg ctttcaaggt cagaaagccc tttgtaagcc 180
 tgatttgcac agaaaaaaag acagaggggtg acaacgtgaa aaaggtcaga attgactacc 240
 aattatgtgc agagaacaga ggaatagttg agcaatgaag caaaggcctt aacttttagg 300
 tagattctag gttttaaaga tattttct 328

<210> 36015
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 36015

tttaaaatta acacctatag ttatgtctat ctggaacatt tatgctcacc tcttaataca 60
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 taatactgga ggctatatat gcatttactt atatgcctat gagattagat cgatagatga 180
 catggattat gttcaacgat tt 202

<210> 36016
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 36016

agctttatct gtgcgggtct gggagacgaa ggtcaagtgt gcgcgatatg tgaagatgat 60
 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgct acacgcataa tgtaaacctt tacgggttta 180
 aaagctctat attggggcct acgctttaga gacttctttt cgataaggct ttgcgtgctt 240
 cgttttgaat tgataatata aggatctttc ttcattctgt cctagtctct acccattctc 300
 attcatttgc atgtgtactt ctttttg 327

<210> 36017
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36017

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cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240
gggagagagg atgacagatg aaaagctggg gagaaagatc ctgagatcct tgccaaagag 300
gtttgacatg atagtactg caatagagga ggccaagac atctgcaaca tgagagtaga 360
agaactcatt ggntcccttc anacctttga gctangactc tcggataggg ctgaaaagaa 420
gagcaagaat ctggcgttcg tg 442

<210> 36018
<211> 416
<212> DNA
<213> Glycine max

<400> 36018
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ttttgttgtc tatgatattg catacacctc cttcagagtg aagtgtgtag cctctctcca 120
tcatttggcc aatgcttaga agattgtctt ttaggctggg aactagtaag acatcatgga 180
tgagtgcgct acctttatct gtctccacca tgatagtgc tttgcctttt gattcaacca 240
cacttgtatt tcccagttga actatgactt tgacagactc atcaatactt ttaaaaatag 300
tcttatcctt ggccatgtga ttgctacatc cactatccaa gtaccagttt cctccctttt 360
cttttatcga gtcttgagtg gcgtagaacg tacattgttc ttgatcatgc tctctt 416

<210> 36019
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36019

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atggaagcca aagacttgtg gcgctgacta gctcttccaa taggcgtggg actaattata 120
catatcactc aagttcccaa caaagaggct gtagactgca acctttactc gggatgggtgc 180
accacaaaga accgcttcta ctcttcaaca catcctagta accctgatta gacaccgtca 240

tcattgtaca catatcatca caaccaacac catgatgaat ctgatatatc tgaacaccct 300
cttgac 306

<210> 36020
<211> 410
<212> DNA
<213> Glycine max
<400> 36020

agcttcatat ttgatttatg tgcaaccata tcccttaaag tcctctcacg aggtggaggt 60
tgtgccatgt tctcagaatg tgcatgatca gaatgctcag aatcagaatg ctcaatgaaa 120
ttctgatacc aatgccagat gtcgtacagg atgtcacgac atcacgcttc agaacatgca 180
gattatctct gagtgtatga acagattaaa catgtctata acacacgata attgctaacc 240
cagttcgggtg caacctcacc tacatctggg ggctaccaag ccagggagga aatccactaa 300
aatagtgtta gttcaaggtc taacagccac tatttacaac cttctcacct aaccactacc 360
cgtgcgacct ctacctatga gccactctta tatatgagaa cccctctcac 410

<210> 36021
<211> 428
<212> DNA
<213> Glycine max
<400> 36021

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acagactcctt acaacagggtg tagatttctg attcatggca agttgagtta ctatgttgac 120
caagccatca agttttcctt caagcttttt attttcagta gatgaagatg aatccatggc 180
cacctcatgg actcctctaa gaacaataac atcatttctt aactgaatt gttgggagtt 240
ggaagccatc ttctcaatca aattcctagc ttcagcaggg gtcatatcac caagagctcc 300
accactggca gcatcaatca tactcctctc catgttgcta agaccctcat agaaatattg 360
aagaaggagt tgctcagaaa tctggtgggtg aggacagcat gcacacaatt tctttgatct 420
ttcccagt 428

<210> 36022
<211> 375

<212> DNA
<213> Glycine max

<400> 36022

agcttcatct atcattcgct gcaagcggcg tgtatggctc cccatggcgg atgcgaaagg 60
gacgagtgtt tgtttcacct cggggagtca cacgacatgg aaacctgtcc cgcagtagaa 120
gaattgcttc aacggctcat ggactggggg cagcttgaag tgtccaaagg aggggaaggag 180
gaaccacata tttgcatgta gtgggaagaa aggaagggtc ccttaacccc ccaaggccct 240
agtaatatgt ttactagga aagggaccgg ctccacaccc atataacccc ggacagcgcc 300
cgagccaacg ccatttgc atcaaagtaa taacgccgtt ccgtggaagt ataccctcc 360
cgcggtcaac gaaag 375

<210> 36023
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36023

agctntcatc tctgggtctca atactattca cacctctctc tcactcgtga tatctatcca 60
tggaggccaa aaacttgtgg cgcttccttg ttctttcaat cgggtgtgga ctagttttac 120
ttgtcactcg gcttcccaac aaggaggctc tagactgcaa cctttactct ggatgggtgca 180
cctcaaagaa ccgcttctac ttttcagcac atcctaataa cccgattaag aaaccatcat 240
cattttccac atatcatcac aaccaacacc atgatgaatc tgagattcct gaacaccctc 300
ttgaccctct aaccatccaa gaggttcaaca aggtccgcac catcctatcc aaccaccccc 360
tcttcaagtc ctcatccacc tacactctca actcagttgt ccttgaagag ccagacaaaa 420
agctagtcct c 431

<210> 36024
<211> 373
<212> DNA
<213> Glycine max

<400> 36024

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aaatactttg taacacacac ttacaaaac aatcataata tttttttctt ctttcatctt 120
cattctctat ttttctctcc tctgtaactg aatcctaacc aactcaacac cattctttct 180
caaaatcggt attgcatcct ttagggctct ttgataaatg tgtttggatc tatgttcttt 240
ggtaagtccc attctttgca ttgaaagggt tcctattgac cttaatgggg ggtctctagt 300
gacttatatg gatttatatga tcattctttt actattagat gatctcaact aggcttctct 360
ttatcgattg act 373

<210> 36025
<211> 335
<212> DNA
<213> Glycine max

<400> 36025

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tcatgcactg cactgccaaa tgttgcaagt aagaagagat aaattttctg ggctctcgtg 120
tgcataaaat acatttgtgt catgcgccga ataagcatct cttcatgcat ccattccatg 180
atagatgttg aagtattgat tcaaaccgga tttttcattc tactaaacat gggatcaaat 240
caaacacctc ttctcaagat aagggttctat caagtcaaaa tcaagagctt agaggtcact 300
agtttacgag agtggggggca attaatgggt caact 335

<210> 36026
<211> 396
<212> DNA
<213> Glycine max

<400> 36026

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ccacaggaca ttaaaagata tagacttggt atgatgatgt atatatacgt gagatacatg 120
gttacttggg ttgcttaatg tgcaatacat acaaaacttt cacacatatt tctaatttaa 180
ataaatccaa taaattttcc aaactaatta tttgtagatc cgtttttagtt atttttaaatt 240
agtataaaaa tatataatgt tgcaacgagt tgcaaacaca aatattatga ctatagacca 300
aatagaagc taacaaaac aataactaat ttattttatt tgctaacaaa ttatattgag 360
aatagagga tgtcaagcta atctttaact ctacta 396

<210> 36027
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36027

agtggtatct tcttttgttc gtacatcctc atgcacatcg aaatgaaaaa gctgtacaga 60
 tagaaaaaca agtaattgta acaccgcaaa attaatacaca agttaaatag gggacacttt 120
 caagtttata atggcatgca aatgtttattt agggatgaga tacttcagat gatatgccat 180
 tttgaaggag catgctagca tataaactt acaacattga agcattatca caagataaaa 240
 cccagcaatt atcagaagaa ttccaactgg tcatgactca tgagaactga atgttgtcat 300
 gtaaaccatc acagttaagt tcattgcaga agatcggaca tgagaatnta ttattaattg 360
 tntttcgact tagtatctct aataccattt gtaanaagga aataaatttg tgaggggaaa 420
 aaagagacat gcttg 435

<210> 36028
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36028

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 atctattaac accattttaa tcccttggac ccaatgacag accataattt atttcatgca 120
 gactagaaag acatcatgca actaaaaaaaa taatagatac aaattacttc tttcatattg 180
 atgcatagga agattttctta aatacaatgt atatagccat atcttcattt acaattacaa 240
 acaatgctac agaatatgga caacataaaa ctaagttcct gaccaaaggg cctaagcaaa 300
 tggcaataat aaacttatca atatcatatt caaactgccca gtgctatttc ctattgcat 360
 tatgactcac atatacaaca tactgtacag atgacatgat agaaccaccc aaaataatgg 420
 caagcacatg ctat 434

<210> 36029
 <211> 455
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36029

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ttatgcttgt ctcatgaatt gacatcacca ttagttttatc tacaattggt ttgtttcttta 120
ccagaatatg tgcttatgat atttttgtga ttatccaggc caacaatggt gacatgtaca 180
taaaggggca tgaccattgc ctccaacata taagcagcac agataggtaa cgaataaaca 240
aaaatacatt ctcccaatca aactatatat gtgggttntat aaagtaattt cttctttatt 300
ataccaatat caaaatgcag ccactttcta tatttaacga gtggagcagg atcaaaggca 360
tggagaggtg atgttaaaga aaccactttt gatgtgaaat tcttttatga tgggtcaagggt 420
ttcatgtctg ttcaaagac tgaccatgac acaaa 455

<210> 36030

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36030

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acatatagtg tgctttcttt taaaagaaaa aatagatcca gatattctaat cccaattgat 120
attttaatcc ggtcaagaat attaactaaa tgatgaaatt aaagttctct cgggaattttt 180
actacacct gtaattttta cttatccacc ggatttactt atgtggaatt ttaattatat 240
gcacgaataa ttctattcgc tataataatg atattcaact ctaatagaac tactgtttgt 300
aaataatata tgtgatttac aacaatataa acttctaaga ccttatttat agacatgtga 360
gtacatatta ctattact 378

<210> 36031

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36031

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cacagacgcg cttagcgggc tcatcactta cattcatcag catggatgaa cgcacttagc 120
 gcgacatggg cgccttagcc cgttcatcta gaaatccaaa catctaacag ttgtgatgaa 180
 cacgctaagc gcaacatgcg cgccttagcgc gttcatcacg atttgtaaac agatccacag 240
 ggggtcttcac ccctttcagc cacattgccc ctaatgggct tctaagttac ctagaatcct 300
 acattgacta atgctataac taatagcctt aacctatcaa catacaactc acaaaacatg 360
 aagtcactta tc 372

<210> 36032
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 36032

agcttatctg ttttgtcctt cctcagtgtc ctgaatcgat catacaacaa cttatcaggc 60
 agaattctca cgagcaccca acttcagagc tttgaagaac ttagctacac tggaaatcct 120
 gagctttgtg gtcctcctgt aacaaaaaat tgcacagaca aggaagagtt gacagagagt 180
 gcttctgttg gacacgggtga tggtaatttc tttggaacat cagagtttga tatcggtatg 240
 ggagttggat ttgcagcagg attttggggg ttttgtagtg ttgttttctt caacagaact 300
 tggaggcgtg cttattttca ttatcttgac cacttgagag atctgattta tgtgataat 359

<210> 36033
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36033

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 gttttgactt tcttatgttg tggtcattga attatgaaca tggttcaatt tgatttttcg 120
 ataggggaatt tgagttgtgc aatctggaaa ccatattatt ttaaaaaaaaa atgttaaaat 180
 taggtttaat tattcatttg gtcattatag ttgcaataac tcttcatttt agttcctata 240
 gtttaaaaca tctcatataa ttgtcatctt tttctctttt catcttcatt gtctaaagtc 300
 acctaacgtt gtttgagatg aacattacaa gacttatcat tgtcaaagtg tcaccttggt 360

ttcaaggtaa cattnttgac atggcaagaa cttgtattta ttgaacaaag ccaagaatga 420
gtattgctca gcaccccacg agt 443

<210> 36034
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36034

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cagttataac aagcactggt gcaggccctt tcttcacggc taatgtacta acaagtgtta 120
aagttctact gtcgccatta acaggtgatt ttatcattaa tctacatctt attcgttcat 180
acacattgaa atgacttatt ttagttaggt aactaccatc ttagctaact tcgtccccag 240
agaaaagaaa gtgttatcta ttagtatgtc tatgtatgtg ttagaaatga aagctatatt 300
actaaatggt atataagtgt atcaacatta agtattttat ntcaataact tctattcaat 360
tcatgaattt gtgaacttcg gtactatctc ttatgccaag ttcccncaat atattgtacc 420
tctatgcttc taagtgcac 440

<210> 36035
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36035

agcttgtgtc tcttggcaat ttctntanaa ctagtcactt aaaaagttga cttttgaaag 60
aatcttcaga aacaagtcac ttgaaaaatt gtgacttttg gaaatgtatt tttcgaaatc 120
agtcaactggt aatcgattac cattaagggt taatcgatta cacatcaaca aatgtgactc 180
ttcattttga attttgaaaa ttaaaacatt tagaagctct ggtaatcgat tacaagtatt 240
gtgtaatcga ttacacaagt ttaaaatact ttaaaactat ttaaacataa gttgtaactc 300
ttgaaatgtg aaatcttaac attttaaaac attggtaatc gattactacc ttctagtaat 360
cgattaccag agagataaac tctctggtaa tgattntgtg aaaacttctt gtgcttactc 420
aatgtttgaa aac 443

caaggtgcaa atagcgggtca gtacccatat ccacaagata tatgttattt ggaacgcatt 180
 ctgcaagaaa aaacatatca gttaggaaca aacattataa acttaaaatt caaaactaca 240
 gcaaagtttt tctcactaaa tgaactattt ttttaattaaa gtcagctagg acatattata 300
 ctattttattt aatagcaa at cgtcaacat atcttaaata atgtaaatga actacntttt 360
 ttttaattaaa gtcagaatat aacaattatt tacttttaaag cgctatttga aactggcaaa 420
 ttttctgat catg 434

<210> 36039
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 36039

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 cttattaaac caaagtaaac gaaaagactt attgaactct aaaatttggt caaatacatt 120
 atgttgctat aaaaacattc ttttagccca aaataacata attgagcata aatacatcca 180
 tctcatgtat aattgatagc ccaagctcct cattttgagt attctttggt ccaaaagtgc 240
 ttctatagtc ccatcttttag cccaaattag tgtaaaaatg tgattaagct caaatttaga 300
 ttagagagaa ttatgtttga cctatatgtc ttgaacaagt tcattttaatg cttccttgaa 360
 tctcttagtc attactcttg taatgggtcc atgttgcaca ggatccctta agcacttgaa 420
 tatgctatgt ctagctcttg at 442

<210> 36040
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 36040

tgagaagatt cctagagaag ctagagctta gctacacact ttctctctaa tagctaagtg 60
 cagctcctta agatgagaag ctagagctta gctacacccc ccctataata gctaagctca 120
 ccccatgaca aaatacatga gaatacaaaa taaagtcctt actacaagga ctactcaaaa 180
 tgccctgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata caaggcccaa 240
 aagaaggaaa aacctattca aatatttaca aagaagagt gatccaacct tggcccatgg 300

gctcagaaat ctaccctgag gatcatgaga accctagggc catctttagt agctctagcc 360
caatcctctt ggatccttct atccaatacc cttg 394

<210> 36041
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36041

gcttttgcna agaactaaca tagnngtctg atcattcctc atcgcaattg agggataccg 60
taggaagnnc aaaagccccg ctttttgtca taccacccc aagagatctg ttaatggtcc 120
aacggcccta acgtttctct cttttcaaaa aacaagagat cgttaatggt ccaacgcctt 180
aacgtttctc tcctttcaaa atcaaaagat cgtttaatgg tocaacacct tanatgatct 240
tttgttcagt caaaatatat cttgcaaaca aagatatata caacttcaac cagccttagt 300
tctcaaagaa ctacataggt ttgatt 326

<210> 36042
<211> 261
<212> DNA
<213> Glycine max

<400> 36042

gggaaaggta ctgtacgtgc accaactgtc atcacgtctg aacgatttct attgttagaa 60
acgggatgag actctccaac acgccattac ggaattgacc catgcatgac gtgagcctaa 120
cctggcaagt gtgtaaaact gacaaagctc aaaaatcgct tattgaactg gctattcgcg 180
gcataccggc attctcagaa ggtgccagat gcaacttgca attacgtttt acaacctcgc 240
accggataga cgcgatccac c 261

<210> 36043
<211> 235
<212> DNA
<213> Glycine max

<400> 36043

ggggaagggtg ctgactgac aaagcgggtg tggacacacg aggttttttg cccccacctt 60

ggagaaccaa gccaatcaga atgctagacg atttatagat gtgaatatag gtaacaatgg 60
 cggtaatgac ggaccgaggc agaaccgggt tgagggagta aagctcaatg ttccctccctt 120
 caaaggtaga agtgatccag atgcctacct ggactgggaa atgaagactg agcacatatt 180
 ttccctgcaat gactacactg atgcgcagaa agtcaagcta gcagcagctg aattctccga 240
 ctatgccctt gtttgggtggc ataaatacca aagagaaatg ttgagagagg aacggcgaga 300
 ggtagatata tggactgaga tgaaaagggg gatgagaaaa aggtatgtgc ccactatcta 360
 taacagaacc atgcgacag 379

<210> 36047
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36047

tatttgattt atgtcgtaag ttaggggggtg ttttgtaac gatttgtttt tactttntcc 60
 gaattaaagt gataaattat tattattatt attattatta ttattattat tattattaaa 120
 aaattatcag acaattataa tttttgagaa ttaatttttag ttcatttttcc taaaaaaata 180
 tttttaaaga aggaaacaaa aatctaacat ttttggtggg aggaaaagtt ctagttatgt 240
 attctacatg aatattttaat tatcatgaaa catattaaga ttagtcaa atgtattttata 300
 catttctaaa aatcatatgg accttatcat aaatcatggt tcctatgtat gaaaaaacac 360
 atcccatatt aaatgtccca ttataggana ggagatanna aaaaagtggg tcatagatca 420
 catatg 426

<210> 36048
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36048

gcgcaaacac tgaagagacc ggcgggtagc aaactttcat caanaaaaa atcatgacct 60
 ttogagcatg atatacaatc catgttggag gaatcatctc aatctgagat agacatagtn 120
 ctccactaca acatcagcct gtccctactt tccaaaatgc tactgggtcca agcaagccat 180

atgttccttc tcaaagcaa caactacatg tgcattcaca acaaagacaa ctagca 236

<210> 36049
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36049

ntgaggggtgc gcagcccacc atcttttcat agtttagtac tcttttatgt gtctaccatc 60
acgattatcg tctccctttc cattattggg ggtaccacct gngccgccag atccctccac 120
cttttgggcg tgttctttga atgatccgtc cccctttttg cacatgttct gtagttgcat 180
cctatccgga accatatcaa aattgtactg atactgccta acaaaggcaa ccattatggt 240
cttccaagaa tggactcggg aagggttcaa gttagtgtac catgtaacag ctaccccagt 300
aagactttct tggaaggaat gtatcagcaa ttcctcatct tttgcgtatt ccccatctt 360
ctgacaatac atcttttagat ggttcttgag acaagtaatc cccttgta 408

<210> 36050
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36050

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ataactgnga aattgtatca attattcttg ttgaagcaca cctcttataa tattagtgtg 120
tgagccctgt aacctgtgaa ttgttgcata cacataacga gatttgtgca ttggtcacca 180
tttttttaat tcttgcattg taagcctaca cgggtctttg aagcagttta aaattctcat 240
gcttttcatc atctgttttag aaaataatct gaatgatgag taagatacat tgtttgaagt 300
gtcttactag cctacaaaga gagaaaaaat agtgaatttt gtttgcattg agtattttat 360
ttcttattag agacaaataa atatatacac acacacagac agagaaagat gtata 415

<210> 36051
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36051

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agcctttttt aagcttgatt tgcatagaat tgaaggggca gccaagagaa ctattcacta 120
ctcagaggct tgaagagtgt gaatttcaga tagcgtagag tagagcaagg ggccaagttt 180
tcctctttta gggagattag tgagttttta agtgattgtg agattcctag aggtggaggg 240
tacatcccca ctcttttgta agcaagcaat ttctcttgat tcctcttctt cagtgtaaaa 300
ggagcttcct tgccatgaaa ggctaanacc ctgagttggg gattcttatt gagtagtnga 360
tgtaaactct ttttcatatc taattaaggt tattntatgt ggtcactact tctatctatg 420
cttattgtat gcatactt 438

<210> 36052
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36052

tcaagctntc ataagtgaaa tcagggtgcaa ccattttcct aagagtcctc tcacgatgtg 60
gatgttaagc catgtttctca gtatgaaaat taatagttga atgctcaaaa tcagaatatt 120
cagaatcacc agcaatagaa tactcacaat gtcaaaatg ctcaaatgc tcaaaatgca 180
cagaatgatc aggatgcaca ctatgcctaa ctaatctatg aaaggttcta tctatttcan 240
gatcaaaggg ttgtaaatca cttggattgc ccctagtcac gcactatatg cagcaaataa 300
tgtgttctca aacaagcact atgggagggt taaaactaca actatagtca aatgatatcc 360
aatgaactg aaattttgtg agcaacaccc tcaaatca 398

<210> 36053
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36053

agcaaactgc ccattcttcc gatgcaccc atcaagaata aaagacagcc ctanacagaa 60

catataataa attatatata tagaagaaca aatcatactt caaaaacaac ctgcaatcaa 120
 acaaaaccta caagaatccc ttcaaattggc actcaagtac caactatcaa cacaacacat 180
 taatgtttctc agtccttagc tgttgagaaa tatgctcact gatttgactt tacctgatta 240
 caactcaggc ctaatatattc atgattaataa at 272

<210> 36054
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36054

agagggaaat agtcgactcg tanacgatgt caacnanacn ggaattnagc aangcctaag 60
 cggcaacggt tgtgtttttt tgcaacaaag gagcttgggg gtttcccccc_aacaagggga 120
 taaaaactta cttgagaagt caatatcgat ctcaaccgca gggaaaaggg gaggaacctc 180
 cattggaaaa tgagttcaaa atgggcatgc aagacggggg tctaccatcc tttgccccca 240
 aaacacagcg tagttcttaa aaaacacttg cagaccaaaa cccgcctggg cacgggaagc 300
 ccttatacct ctaaacadat aggctgtgga taatcctgtt atggaaactc aacagcgg 358

<210> 36055
 <211> 316
 <212> DNA
 <213> Glycine max
 <400> 36055

tatgtcgtgt gggtcaggag accttgtgga cgtcagggtgg tgtgctattt cccaaaacca 60
 atcttgacca atcccgaccc aaccaggca tagtcggtca gtgagaacct gtgatgtacc 120
 taaacatgcg agtcctggc agtcaacaga ttaaaggaac atagaccaca aagcattgat 180
 gcttgtgtgt gggctggcca actgtgaatc ttgtgtgata tatgggttat ggctctggt 240
 aatcgattac caaggggtgg ttatcgatta caatgcttaa caatgaagac aagaggctta 300
 aatgggtctct gggttat 316

<210> 36056
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 36058
tagggatgga acacttactt gttggtgatg aacttaagcg cataacttaa tcaaaaaatg 60
cgaanaagga tgaccctatg gctgcaaaact cgtcaatccc gtgggtatgg cttttgaaag 120
gggggaaaag aagtttttga atgcaaaaac gtccccctt tgcgtcattct tataatttgg 180
tgcaggggtg gctcgccc 198

<210> 36059
<211> 423
<212> DNA
<213> Glycine max

<400> 36059
atagaaactc agctttgctg caatatttac aatagacctc ctcaactctca gctgtataat 60
caaccacagc atagcagtta tgacctttcc agcaacagat acagccctgg atggatgaac 120
caccctaacc tcagatggtc cagccctcag caacaacaac agcagcctgc tccttccttc 180
caaatgctg ctggcccaag cagaccatac attcctccac caatccaaca acagcaacaa 240
ccccagatac agccaacagt tgaggccctt ccacaacctt cctcgaaga acttgtgagg 300
caaatgacta tgcagaacat gcagtttcag caagagacca gagcctccat tcagagctta 360
accaatcaga tgggacaatt agctaccaa ttgaatcaac aatagtccca gaattctgac 420
aag 423

<210> 36060
<211> 173
<212> DNA
<213> Glycine max

<400> 36060
attgctccta gacgaggatt ctcatTTTTA aatattgtag gtttaattacg ttattaccgg 60
gtccatgaac ttccgaggtc gatccttcat tgattgccct ttgtatgctg acgacataat 120
gctatggaat tttttcgtat gcttttgctt tttgatgcag gatttaataca cta 173

<210> 36061
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 36061

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 tactttggat ttggtacgac catgccctcc tgatttccag ctgggaaatt ggcgagtgga 120
 ggaacgcccc ggcattttacg caacgagcat aatgtaaacc tttacggttt taaaagctct 180
 atagttgggc ctaggcttta gagttntttt ccttctgtta atgctatgtg tcttctgggt 240
 ttgaatttat aatacaagga tctttcttca tctgttcttg gtctctaccc attctcattc 300
 atttgcatgt ttacttcttt ttctgaaacg gcagatccga tgacgagtcc cccgaaggta 360
 ctaatacctg ngacccgcct atcgacttcg agcgagaaat gaatcaaacg gaagatgaat 420
 gagatgagga t 431

<210> 36062
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36062

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 ctctggattc aggccataca caaagccctt gacaatctcc attgataggc aactaaatac 120
 atgcaactgg aggagctcac caagtacaac cggcagttga ggaatgaagc atccgactca 180
 aagaaggagt tagaaaggga tgcccaataa ggaaaaagaa catgcacgca agactagagg 240
 acctttctac aactattaca ctccccttaa tgatagccaa tcaaggatct tggaacaagc 300
 ccttgctact gaatttttca tgatgccaaa gcaggctaac cccccctaag agccaaccac 360
 tcaaagcatt ttgatacca tacgaattgt ggtcattcct cagaagaatg cataacacat 420
 aaatacaaga ttaatgatct a 441

<210> 36063
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36063

tataagaaca aaattgccta aatcatgctt ctaatatgca tctgatttan gaagcatcaa 60

atgttctact ccaaaaaaac

440

<210> 36068
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36068

ggggagtnnn nannagaact gaggcttgaa ngctnngcan nacgagacac nanacangaa 60
tggatcggn cgctgcaacg agagagggca nacaagacat cgatatctct gtcttgnna 120
gnnaaaagga gnaaagaggg gagaggaatg angacnaatc tacacagccg gctagggaaa 180
gacaatgact gacggatata agttcaagca atagaattga ctgctactcc tgtttctcaa 240
tataaaagat agagagcttc actccttgac gatgtgatga ctaatcactc tctaacttca 300
gaaggaaagt agaagtggcc cctagatatt atgaaaagaa aacacaagca agggatcaat 360
taacaactaa gccaaacagt acaggatggc tacatacgcc gcccaaataca tttttagctc 420
tgaaacagaa tcatggcatg ttntgaacat tatgaactac acatanaaga aacagcacia 480
atcggttgct gccatggacc gggaaaaaag 510

<210> 36069
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36069

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aagtgcagat atatatagca acctattatc tgcattctaa accataaaat tttaatgagc 120
attgcattat caagagtcaa atgctgaatt tcaagggcaa actaggtgaa tacctgaccc 180
ccacactata aaccttgcat taattctgac taacagataa tctaaatgac cacaaatatg 240
gcattgtaag gacaaagtat agtcacacca ataacagacc atcgatcttt caccaaaatc 300
tatgtgttca agcattctag atatccacca gttaaagttaa aatgaacaa ctatgagttt 360
gacgtgaaac tgattcgcca ttggaggttt atttca 396

<210> 36070

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 caaccataac aaaagttatg agcatttgaa gtttacttgc cctatctatt gacatatctg 240
 ttatcctatc taatatctta tctggtatcc tatctaatat cttatttgat ttccgatcta 300
 ttatcctatc tattatccta tctaatatct tatttgatat catatctggg acccaaatta 360
 gagctatctg ctatccagat ccaatcta atattattat ccaaatac 407

<210> 36073
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36073

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 catgaattgt tcttgatctt tgagctttnt gtaatcacct ttgttgatcat caaaacttct 120
 ttgaatcaat cttgattcat catgaagctt tcttctacaa tttcctcatc acaattgagg 180
 aatacgtatg agcaagggaa acacccttgt cgaccacaaa aagataaaaa aaacacacaa 240
 agacataaaa aaaaagggaa acaaattgaa gtcataatttg cacacttgat taaagactgt 300
 cgtcccttgt gacggacgag tgggggtgcta atacccttcc tattcgtaaa ta 352

<210> 36074
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 36074

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 gatggcgctt cctctcacct cttctccttt atcttccgtt gcatctccat ggtggaaaat 120
 caccattgaa ggacctcatt gaagcttaaa aatccagcct ccatagaagc ctcataagca 180
 agcttccatc atgtgctcct taaacctcta ttaacttcca ttgttggttc ctcatTTTTT 240
 tcttgTTTTt ttgtctaact catttggtca caagtgtatg aaattctttt agcctattaa 300
 ttgatttgag acaaattctg catgttaatt agtccttaac atgtccatgc aaaattctta 360
 gagagtcttt gattgtgaac cttttcttga acttttaggt ttccttatga ttgtgtctat 420
 ggtgaatttg agttttgggtc a 441

<210> 36075
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36075

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 ctagagcatg gcagcttgca ctctctgtct gatcaaaatc gcacagagca tatctgggtc 120
 tagtacgttg ccacacctga ggacacagac ttcttgaaca ctttgcacca agagcactct 180
 ctggtatgag cctcgatgta taaactactc acaccaccc cgtccgaaac tgatttcacc 240
 ttgagccctg acctattatg ttgaggatcc ccgatcttaa gggaagtcc acacagacat 300
 tactgcgatc atacctgacg atgtgggtcac gcggcattgt tctctcatg aacagacacc 360
 gggttctaaca ttacacagcg acgagctcga cagccttcta taaaggatgg 410

<210> 36076
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36076

aggaaagaga gatcgatctt gtacgacaat cttcanaccc nnaaanagnn nnnnggcgag 60
 nngagggggg agcgggaggt tganacctag cttctgaaac aanaaaggga cacgggcggc 120
 gcacgagaga ccaccacaca acccacccca ccccgagggc ggggacaagc caccacagaa 180
 cgcagaaggg gcgcgcaaaa gccgccgcc gnacagcccc atgagccacc nccagcagg 240
 ggccgccgaa accgacaaca acacccattg gagggaccgc aaccataccc gccgcgaagc 300
 acaaccgccc ggtcaccggg agcgagagac caccgccac acagggaccg accaaacacc 360
 ggcggtgag acagcagaca cacggcaccg gacacctaag acggcacgga ccgccacgca 420
 cgcaagacac cgctgcccc accagcaacc gacgaggaac gacgcgcgcg cacg 474

<210> 36077
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36077

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ctggatatctg aggatcactt gaaattagtg aaaaaaatc gtttccgtga agaaaatcca 120
agccgaggcg cttccgtaac gcgtctgana cgtttccgtg ggtgattccg tgaagattnt 180
ccgccatcta tcgttcgttc ttcacgttcc ttcgtcgtcc tgcgggtcttc aaccgataag 240
ttcccgaat cgaacttttc aattcattct atgtaccctt ggtgggtccc acttggttcg 300
cgtactttta ttttcatttc atttactttc tgtatcccct tttgacgtgc tttagtcatt 360
tatataagtc attttctcgc ctatatcaaa aataaaataa tattccaccg atcatataaa 420
ttggtacatt                                     430
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<210> 36078
 <211> 437
 <212> DNA
 <213> Glycine max

```
<400>        36078

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acttcccatg atttcctttg gcatttatca ggctagttat gccgcgcttg tctttgecta 180
aaccatttcc gggttcgtaa ccgttcccca acataactcg ggccatcatt actgctgcat 240
cggacaggca agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag 300
actggaaagc ggtttctaata gactcctctg cggcctccac ataaggcata gaggatgggc 360
agctcaccaa gatgtcttct tcgcctgata cgatgaccag atgcccttcc actacgaatt 420
tcaacttttg gtggagt                                     437
```

<210> 36079
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36079

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agatactcag cttgcaccag ctgcgccagc gagcttggtg cttctttcat angcaccgcc 60
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ttctggtaga acttcctgga aggcccaagt gggctctggtt gctatttgca ccccccttgt 120
 ttactaaata caccctctgc ctttnttgtt gattcttttt ccgtaacgtt acggaacttt 180
 acgaatcacg taacgatact tgtttcatctt ctgtaatgtc acgaaacctt acagattacg 240
 taatcatccc ttttttggct tccgaaatgt tacggaactt cacggagtgt gcaacaatgc 300
 ttgcttttga cttctgacat gtcacaactt cacggattgt gcaacaatgc tttcttttga 360
 cttccggcat gtcacggaac ttcac 385

<210> 36080
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 36080

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 aggaatcttc tggaggggccc aagtgggctt tgttgctatt tgcaccccc tttttactaa 120
 atgcaccccc ttctatatatt ttttttgtaa ttctttttcc ataacgttac aaaactttac 180
 gaatttcgta acaataactta ttttccttcc gcaagattac gaatccttac ggattatgta 240
 tttactcttt tttagctttc aaaggagtta cggaaactca cggattgcgc aaaaacacct 300
 cttttcgatt tccgccacat tacggaattt cacggatcgc gcaagcctgc ttcctttaga 360
 tttctgagac gtctcgggac ttcatttatt gtgcaac 397

<210> 36081
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36081

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 gatgacagtg tagcagagtc cgtgagatga cgttttatag agtgatcact gactttcgaa 120
 tgaactacca ctgaatgtat cactctacag atgaggatat gttagagcaa gagcctgctt 180
 tgatctctaa agggcaccac cgattgagtt gttgaaatat actatcatgc ccacatctat 240
 tataacgccg atgtactccg agacataggg gagatgtgct aacaacggac acgaacgttg 300

agataactcc ctgatgtgga gactttctcca agaacgcgcc acttgtgaat atctggcatt 360
 ataactttta taatccatgg cggagactcc atgctgactc ctctcttga gtacgcacgc 420
 gctaggcact cgtgtgtcac gca 443

<210> 36082
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36082

caccatcaca tgggggtaga ttggtgactc tttactgtct tttcctcctt ttttgagagc 60
 ctcaaacatt tctgcaccaa cgtcctccaa gaagaatttc ggcagaacgg accttccaac 120
 tctgaagctc gaagctttga tcccaaagaa gcatgccatg accattatct tcaagcccat 180
 ctcttttccc agcacacaaa caaaagggtg tagaagaacc aaaactatgg ctcttataag 240
 cccccctgcc tcaaaggcca cgagcatgaa atatgggaac aaagaagagg atttcaacaa 300
 cgcgttttcg acatcaaaga tcaacgtgtg atcgttgagg tctgatcggg ggattagaga 360
 ggggaatttc anggtattgt taaactgtgt tgttgcaccc gaaaaagaat ggctaattgg 420
 tctgtgg 427

<210> 36083
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36083

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 cgttcatggg cttgatatga tcatcagttc tggcagatga ctggatgaac caaatnttt 120
 taattagaaa taatagtcac caactcagca tttgctttga atgattaaga aatcatgcc 180
 catgtagtta ttatacccta agtggtgaca tcaatatcta cttttgactt accggctagg 240
 cattgcataa agccaattca cttaacctac acggattttg tt 282

<210> 36084
 <211> 419
 <212> DNA

tgttgttttg atgttcanaa tttcatagct actgcatang ctggaactgt atcatgtgtt 180
 gtttctcttg gtaatttaag gtaaaaaatg agttatttgg gtgccaaaac ttanggttaa 240
 ccttatattt cacctaaatc atagttntct agtaaaagtt atgaacaaaa caagttttaag 300
 gaatcacgaa aataaatcgg agttttctag taaaagctat gaacaaatca ngagttttta 360
 tggatgtatg gaccatnttt catanatatt tgac 394

<210> 36087
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36087

gatannncgg gactctccga acctttcttg caatcccnan gangatncgt ttgagttcta 60
 tgtgtcggca cacggcgtag ctgncaacaa cancccccaa cggcccngag acccccacta 120
 cttaactata tctctgaaac ccattctgctt aattcaagtg tggatctgct aacgtaaagc 180
 caatcaacct atatagcact acttgctcag ttgatcacta acagaactct aatcaagtcc 240
 tccttgccagg gagggcaatga atgtggcacc cgcgacttaa agcg 284

<210> 36088
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36088

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 ntccacatcc acaaatcacg cataaagcca ccattccctg ttgcccacct ccaactgagc 120
 tcacgtactc ccacgtagcc catatcctcg tttctctcaa caccgggtcc ncatcaatcc 180
 tccaagctt cccaacatc caggtaattc aaaatccaaa tcatcacaaa ctaacaaacc 240
 aagcaaaata gggcatagcg agaaaactct gcccaaaact cataccaaaa tcacagcttt 300
 ttctcactta tagaccccag taacatttcc tccgttccaa ttcgttaacc gttggatcaa 360
 ctcgaaacatt ttactggaag tctctagtag ataagtctac attttg 406

<210> 36089
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36089

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 tataatagtg attcttacat gataaggtgt gataaatacc tctagaagtg aatcttgtgg 120
 tttgcacttg acgatagtta ttagatatc tgtgataaat catatcttat actttgcaga 180
 tatacgagac tctcttcana ggaattaatt cagaatttag attcctagtg ttgttgcag 240
 gcgaaataat atattatttc tatttctaag ttttcccaca attactctct ttattttaaa 300
 tatatataga gaa 313

<210> 36090
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 36090

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 cttctgtttt ttcttttgta atatatttca ttcaaagtaa gtaccgtaag ttgttaaata 120
 ttgcatttgg ttgttctaaa cattttgtat ggccatactt ttctgggaga ttctgtgtac 180
 ttcgttacgc atgtgttttt tattgtacat agcgcgatta ttctctgtac atatggatta 240
 agccttggca tgtttggggc atataattca ggacatcett tctggatcca tataagaaac 300
 tata 304

<210> 36091
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36091

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 ggtaatagtg gaatcttaac aagagagaac cacatatgga tttanattct ctagagagta 120
 tatttgtgag agattaagaa ttcatagaga attcttcttt gtagttntgt attcttttct 180

cattaataga gattcttctt tagcatacac tctctacgtc aaatacaatt tgtcacaaca 240
agaatgggtgg ttgtgccata taatacttat gcttcgtagt ggattttctt acttaaggaa 300
catgtgaaag tgcagtcatg acattctcgt tgtgacttga atttgagaac aaagatg 357

<210> 36092
<211> 205
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36092

agggggaccc atcccntgaa ccccnatag agtacacttt ttccccgcgg gtgaagtccc 60
tacagctagg actttctaca aaacacaggc agcgtttccg cagagggagc taaaaaatgc 120
atgtgaagaa cgaagccaca tacaaggag cagagaacct catcacacgc aaagccgacc 180
aattaatcaa agccaaggaa ttctc 205

<210> 36093
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36093

tntcgaggaa gtnntctcag gaaagctgct cggtggttget actctantct ataaatagaa 60
acatgtgaaa cacttggtgt aactatgacg aatganagtc ttgtgagaca catctcagag 120
ttcaacttct ctcccttttt ctctccttca atttctgtgc cccctctctc tttctctacc 180
tctatctttt cctccataga agcatcctct ccaagcttct tatccaaggc tcactcttgg 240
ggatgaagctc cttgtctcat ggcttatacc ttaacggatg gcacctctc tcacctcttt 300
ttctttgtct tccgtgcat ctccatggtg gaaaatcacc attaaaggac ccattgaag 360
ctcaaagatc catcctgcat agaagcccca cacgctagct ttcatcacat actgtggat 419

<210> 36094
<211> 331
<212> DNA
<213> Glycine max

<400> 36094

ttctgttata aaggttgatg aaagaggatt gatgtgggtc tacactgggtg acatatggag 60
 attccataaa gatgggttgcc ttgagatcat tgatcggaag aaggacatag ttcaactcac 120
 acatggagaa tatgtgtcct tgggaacagt atcaatgtcg gcttgtggaa cgcacttcct 180
 ttaatatatta ataataatat tatttaatac aggttgaggc cgctgtttct tgcttcctct 240
 tgtagacaat atcattgtgc atgctgatcc tttcatagc tactgtgtgg cactccttgt 300
 atcttctcat tctgcttcgg agcattgtgc t 331

<210> 36095
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36095

ggcaatagca cccacactga cgttcttaag tctcctnttt ctgcgcgaca naacaacagg 60
 naccactctg tggatcatcag tataagcagg aagtttcacc cttcaacact tctcatctc 120
 aagctttag aattatgggg taccatcac atgtggtact aggtggcggg cgggcgatgg 180
 tctcaacaag tttccacat acactatgag cgcataaacc caccatgccc tgttgccac 240
 cttcaactga gctcacgtac tcgcacgtag cccatatact ctttactctc aacaccgggt 300
 gccattaat tctcccaagc ttctcaaca tccaagtcaa acaacattct cacagtccaa 360
 gc 362

<210> 36096
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36096

ctaacacttc agttgcggcc acattgacgt cctcagctt gtaacactct nttataaccc 60
 taatggatag ggtcttgaac ttatccttga ccaattgtgc tctttcaagt ttgccttca 120
 aggcttgac actatttgct ctctcgggg gtttcaacct ctttcaaact tgaaatcttt 180
 agcttcggga ggcaaagtat ctctagcatt ctagccatca gccacttgtg atagccgtcg 240
 acgatcccat tgacgatctc ccta 264

<210> 36097
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 36097

acatgtggta cgatcgtgta attaatgaaa tcgctacaaa atgtaagtgt tgctatcaag 60
 actttgcttc ataatgagcc gaacagagct aagctgcacc tggtagagaa ctttctgagt 120
 aaggtttgaa tctaccttat aatagtttag ttcattctatt tggcagttgc acattaataa 180
 ttaatggatt atataaagcc cataaagttg cacattgata attaacggat tatataaagc 240
 ccataacttc tctgatagtt acctaagtac gtctctcttg tcaaaagtct gctctacctc 300
 tagaaattat cttttactat catgggtattg atatggccac aaactacgac tatcatatct 360
 aaa 363

<210> 36098
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36098

cggagtggga annagagggt gangcttgac tgcatacttc gtcannacgc gnaananang 60
 atactnaagc cgagctntca ctgcgacana cccagcgctc ttacatactt ancttctatt 120
 aaaaaanaaa agagagcgtg acatggggat atgagcatnn cattgggtcct tgtttgtctc 180
 atttcgcact ttggctttat gcctcgtgtg atggcagaaa agaataacat gggacaaaat 240
 tgttgatgtg gtgaccggtt gagaaagtaa cccgtggaat tgctgctttg gacaattttg 300
 tctggttcgt gttaaacaag gaaacatga atgaatgaat gaaattacac ttacatttgc 360
 tagactttgt ctttgtggta cttttattac gtgtcaccac cccaacccat cacatttctc 420
 caccaccatc tctccttggc gcttttttat atattacggg ggtccaaatt caatatcatt 480
 gcccatatcat gcaaaccaaa tattaataag ttatattn 518

<210> 36099
 <211> 254
 <212> DNA


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ctttctttcc ctatcaaaga ttcaaggact atcaccgaga atcttttgat ccttcacaag 300
ttcaaggaca ctgccgaaac ttgcttacca tggaggacat cttgggtcag agaggggcatt 360
ctgggtgtgg atgaacaaaa ggacactctg gacttgtgta agatag 406
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<210>	36102
<211>	386
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      36102
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aaaacggttg	cgctgagctg	acctgaaatc	aacttgcnrc	gattggcttc	ctgccaatga	60
tcaagggggc	ttnataatta	tacnganaac	acgcgtgata	attcaaaaaa	aaattggcag	120
tgagaggtga	aatgaggaaa	accatccgtg	atgcattcta	tcttcaattt	ccaccacca	180
catgctttct	cagccataca	acttctctta	ccacaccatt	atcacaaggc	ctoctaatca	240
cccaagctgt	taccgccttt	catgcgacac	acctttgcca	acaaaccac	ccgaaatgat	300
ttgcgtgaaa	aaacctgtaa	ataoctgcta	gttcttacc	attttcgaga	tcatcaacca	360
tgggcttttt	ggaacccggc	ttcatg				386

<210>	36103
<211>	504
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      36103
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agaaaggttnn	naagaggctg	atgcttgata	gcttgntnat	cnanccnttg	ccnactgggc	60
atctatacgc	tnncagagac	ttggatgctc	ctaagcaatt	atctctccac	agagaaggag	120
ctattagcga	tagtttttgc	tcttgagaca	tttcgttcat	atttacttgg	tacttgtgtt	180
attgtttata	ttgaccatgc	agctctgaag	tacctgttga	agaaggctga	atcaaagcct	240
atattgatca	gatggatgct	gtggctccaa	gagtttgatt	tggatatctg	tgatcgaagt	300
ggtgcacata	acctcgtggc	tgaccacctg	agtaggattg	agcatgcggt	tgaggactca	360
cccattcggg	atgttttttt	gaatgaccat	ttgtacattt	tgtatattat	ttctaattcc	420
ttccccactc	cttggtttgc	taatattgtg	aattacttgg	gtggttctat	tttgcccttc	480

ttaatatcta aagctcaaat gatt

504

<210> 36104
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36104

ggggnaaagg gtggatgata ttgtacacga canacaaaaa aaagccgggg gacaaaccna 60
 ggaatagaga gaggggagag gctccngtng ttacatnnga aagagaaaga ggggggagag 120
 gggcgacaaa gatccaccac tcaacacccg aaagaccccc ggaagaccgc acacagccgg 180
 ccacagggga caacacgagc agagcatgac aacaacaagc tctccaagac caaggggaaa 240
 cactgcgctt ggggcagaag cacagcaaga cacggcgtat gacctgaggg agggcgccaa 300
 acacagacag agagacagag aaacacgcgg cacctccaag gagacaaaac aacaccagag 360
 gacgctcata gcacggaaaa gacccctgca acagtatgag ccacaagcga cagccaccac 420
 aaggaggtgc aacgaccaca acaacaaaaa gaaggggacc cctagacaac gcagaataac 480
 attacttacc ccaaagatca gacgaagg 508

<210> 36105
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36105

ntatgatgtt caacagagac tatgttgaca taattgaaga ttgttcttgt tgctcctaata 60
 gcctgatcgt tatgaattgt aatctcacat tagagtcttc tatctttgta gtataattat 120
 gactcatctt tttgacgcac aaattaaatn taaatatgta tctgacatag ttgccattaa 180
 tcgtatttta agtaagttat ctatctttgt acgtttcttt aatgtagtgg cacgatgacc 240
 aagttatcta tctttaatta gtgttactta gtttataatt aattattact taacgcacat 300
 aggccaaatc taattctata tattaatttt aggtcaagat caatcttatt ttaagtaact 360
 taactatctt tctatgtgtc taatgtgga 389

<210> 36106
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36106

ngggagggcgg antagaggct gatgcttggt anacttgcan nattgagnan aatagcnnag 60
cggagcngga ctaaagccgc gacacgaagc agaaaggact tcgttnattc ttcaaagcag 120
cacacncacg ggagaatttg tggagccctg agtaaacgac tcttaaactg agccaaagat 180
tgatctctaa gcaccagggtg tgcttggtaca gagactgctg tatcattaat aggtgcacac 240
cgaagcaatt atggcgggta ccttcattg acagctctaa agggagacat accagtgcata 300
ctatggcaag caaagctata ccaataactca tcccagtgtc atagctcgac acattccttg 360
gggtttgccca aagcgaaccc tctgagactc atttcacagc tatgttgagt gcctccaatt 420
gaccatctgc gtgtgggtgg ccagctgttg actcgggcac agagtaccac ctatgttcgc 480
attagttgcg aaacgcaccg gaaacacctc g 511

<210> 36107
<211> 236
<212> DNA
<213> Glycine max

<400> 36107

aggtgacgtg cgtgcacata atgccgcaa caggagaagt gtggttttcca agccggaaga 60
tgaacacggg ccggaagcca aaacgcaaag gcaagacggc cagacaccgc gagcactacg 120
caaccgaccc gctaaggcag agggcctggg cccgccaagc acatacgccc agaagcaccg 180
gacccggacc cggaacccca gtccattgca gggcagaggg gggagaagca ggccac 236

<210> 36108
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36108

aggaagggcg ggtgcggcct ggacccttng atcgattgca tngtcacanc cnaagcnnng 60
cctanactga tgaaggatga ttctgcgcac tctgcagcgc tttactgang tcgtcttaag 120

agaagcangg ggagccaana ggagggggta ggagaaagtg gcggaagcac tactcagaac 180
atggaacagc actgctctng tgagagaatc acactcacca gagatganat aggcgcctca 240
ggggaacgcc acaccccaac acagagcacg cgatagacca gtgcaattac gttcgaaggc 300
agcccaccta atactcggga gaaccacggc caagggaacc cgccccgcgc ccacaaaaag 360
gcgtcaaaac ccccagacca ctaagaatcg gggcacaacc ggcgaaagaa cggacaccgg 420
gagaagaacc acgcctcgtc acaacagcgg ggggataaga caagcccact ggaacgccgt 480
aggggcttcc ctaccagaga cgggcc 506

<210> 36109
<211> 108
<212> DNA
<213> Glycine max

<400> 36109

gatactgtgc gcgctatgcg atgagagtgt agccctatta tcccatagtt ttatgtcaac 60
ccggatggga atgagagatc ccgaagatat aacgcacggg tgctcttc 108

<210> 36110
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36110

ngcttngtgg gcttctatgg aggctggttc tttgatcttc ttttgtgtcc tttaatggtg 60
aatttccacc atggagatgc agcgaagac aaaggagaag aggtgagagg aggcgccatc 120
cactatggaa taagccatgg aagaatgagc ttcaccacca agtgagcctt aaataataag 180
cttgaagga tgcttcaatg gaggaaga aagagggaga gaaagagaga gggggggagc 240
acgatattga atgataaaag agggagagaa gtggaacttt gaagtatgtc tcacaagact 300
ctcattcatc aaagttacaa caagtgttac acatgcttct atatatagac tangtagctt 360
ccttgatagc tttcttgaga ataacttctt gagaagct 398

<210> 36111
<211> 337
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36111

atgtttctatg cttcttgagg tgtcagncca tgatttatct ccttggaata gacatcttta 60
aattcctgca ataagggttg aactagaga acataatagt aactgataga atatcactct 120
ctctcttttg tgtatcactc ttttctctgg gtgtatcact cttctttttc atattccttt 180
gtggagcctc actattttct ttcgcttggt ctctctnttc tctcattctg atttggtcat 240
cacacacttc tctaggggat agagggttaa gataaacgag gaagatttga ctattcgtct 300
gtagggctct tctttgttac gattcaacaa acgttgc 337

<210> 36112

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36112

aagaacgann aaggagttaa gtctgtantc ttgcannacc anaaaaagcc nnaagnccag 60
agaagccact gagaggnagc aaccgcattt acncttttta tgacnanggc ancannncng 120
gcgctggacn gcngagaaga ngaaaccncn nnnncnaana aaanncnagc cccaacaaga 180
gacangncnc ccaaggcccc accacnggcc acaacnatca aacgncnccc caaaaaaccg 240
agncttcaa aaaaaaangg aagaagaacc gccccgaaac cgagggcgag ggcaaccggc 300
gcaaagnnnn naaaacgccc caagactcan acggnctct cactgagtng ctaatactg 360
agatatccat cctgatggct gtggctctgn aagcaggcaa aaatttntct aagaatactc 420
tctttaggtc atcccacctc gtgatggacc tttgaacaag gatataccac cagttctttg 480
gcacatcctc taag 494

<210> 36113

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36113

ggaggatgat ccctgaatga ctngaacnac cnaaacnaa gcnngatagg agaaagggnc 60

ctanaggcac gcgcangcaa cgacttccca tgtttactta tggcaagcag naggggaanng 120
aagagtggga gaaaggcgac acaaacagga gccagaacg ggcacaaaaa tcaattggca 180
aaaacaagca ggcaccccaa cctaaagccg acttacatac ctctaaataa gatctgctcg 240
acatgtccac cacacactag cacctgcatt tgccacacat gttaatgggtg gaaaggtgag 300
gtgagtcac acaaaacctc acgtgctcta taaaaggcaa ggggacaaga acaatgaacc 360
tgctgtcata agcaagtgc acagacaaga cacatcaccc acagtgatgg tcaactctct 420
cggagataag gggaagatag aagcctacgc ccgccccact cagaaaagcc tccccaccc 480
n 481

<210> 36114
<211> 334
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36114

aaaaaaaaag agatgagctg antctgacac aaaactagcn ngacgcgcac atngaacgtc 60
agccggaact ttatacttgc taccaccata gccggagaac ttgtcataac atgacacttc 120
actggatttc aacctcgat ttatttggtt gaacaattac aacacaggca ggtgacaccc 180
gagccgcaca tgcttaacta acacatcgcc aatgtgtttg caccacaagc tggggatgcy 240
agggtcgccc cacaatcatt tgatcagtg cccataagac aggtgcgcca actttacata 300
taatcaattt ctagaaatct gagacgcact gaca 334

<210> 36115
<211> 515
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36115

ggaggggggg gggaacgtac ctcttagct gaactgcaaa cnaagcagcc taacggagat 60
gangantngg cgcgcgangc aggggggtcc aanagtgtg ctcaaagaaa aggcaggang 120
ggcganaca ggagcgggan acagaagaag acacgcacnc cccacgacca ccngagaaaa 180
ggaaacaacg aagggcccca ggagagaaga gcacaganca ccngagacaa gnacgccaag 240

ctactattaa aattatcatt a

441

<210> 36118
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36118

nctcatccaa ggctcatctt ggtggagaag ctctttcttc ctggtntnan ccnnaagga 60
tggcgctcc gctcacctct tttctttat ctccgctgc atctccatgg tggaaaatca 120
ccattaaagg accccattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180
cttccatcaa gtggtaatca gagcacaaga gttcaagta ggtgctcctt atacctccat 240
taattntttg ctttaccttc tcttccattg ctgtttcttc atttctctcc atgtatctcc 300
tcacatgtct tgtgataaat gtttttaaca tgattcttta gagtttccac cgattaaact 360
tgctatagaa gctagatttg atnttctatg gttcacattt cttgttcttg gtc 413

<210> 36119
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36119

aganaagaaa aagagcgga atctgtagta cttgtagaca cnacntatan anacacagcc 60
caccncngn gnagcgaacg agagaagtta ttatnacctc aatgnnccn gnagnaagca 120
acaangagcc atcagcgaac gggaccatga ccacggagga agccnnanca agacaacaaa 180
cacaangang gcatgtaaaa agacacagca gacaaggggg acnacangac naaagaagaa 240
agaccaacca gagacaccaa cacacncaac gctctctatt aaaaaaaca acaccggcca 300
taaaaaata atggcgagca atcagcagcg gatgtaggat gcaaacttgt ggccaatgag 360
ggagcagcga atcaggcatc acttaccat tgagggggcac gtacacagga tgggaatact 420
cccctttggc tcacacattt agttattcga gaaaaaagga ttgcatgatg cataaggctg 480
gaacggccaa accatacgca caaccg 506

<210> 36120
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36120

cttataattn tcatatgata ataaacttct acaaaaatgt acctagatcc ataattattcc 60
 acaatgcaaa gaatttaaga ataaaacttc cttaaattctt taataaagat tctcacacac 120
 acattatata cacatacaca tagagtatga ttattatgtg aatgacaatc ttatatgaga 180
 atgagaatag ttaatttcaa tcattggatt gaaatgaaag atttagatta aaaatatttt 240
 aaattcaaat tanaacctca tgtaatcata aaatctctaa gaaattaatc aaatatctaa 300
 tttatcacgt ccaaatatat cttanaccta tcatcaccat tatgatcatc agtccaccac 360
 catcgccatg accgttgtat gtcaccacca acatgattgc gacagtggca gcaacaacga 420
 ttatagtcac tgtg 434

<210> 36121
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36121

gggggggagg aaggagatga ggcttcgant ctgttgatca gacanatcct agaaangtag 60
 cnngagacaa taggcgggga gaggttcctg cttctttttt gaacgngcac aggaggattt 120
 gcagggggaa ccaagcatat catccccttc actaatatta tgaagctttg tgaatcatat 180
 gttacattaa catgcattta aattgataaa tatgatgaag aataatggaa cgaatgcgaa 240
 acgcatataa gacaaataat attgctctgg tgataagaac acgtgaaatc gatgattttt 300
 agcaatttct aacatgttgt gcgtagaaaa catatgcttg catacgatag caacccttat 360
 gaatatacag ggcatacaat ggacggtaac acaaactctt tgcatagtcg atgagtcgcc 420
 agaacactat ggtaacatac ttgtggcatt aacgctttac agatgcaaag gactctcgca 480
 cccgaaaacg aaaggtcgca aaaatg 506

<210> 36122
 <211> 472

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36122

cgantnnggt ggtgagctgt gctcgattat cnactagctc cgatcgactg agactgatac 60
 cgccctctat gcanatattc atctgaaggc tcttgaccga tcaactgcaga tatgttcaaa 120
 aaagaggggg aaaccttaaa aaataattccc accgatggag gaattggccg gcccaagtag 180
 ctctccctt ggttgagaaa gagatgatca cgatgatggg agacactctg ccagtgttct 240
 actatgagaa gctagtgggt tacatgccgt ccagctttgc ggatctgggt ttngccgcgg 300
 atagaactct cagccttatt gcccctccga agctttatgt catattcgcc aataattgac 360
 attcgccctt caccctgeca catcccgta acataatgtc catttaattc atctttactc 420
 tcacttatcc ctaatccgcc tcccatcaca tgttccctc tctttaccct cc 472

<210> 36123
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36123

cggaaanaag cggggaaagc gctgaaccat gtatatctnn gcnanatcga gtacactagc 60
 cngccagacc gtgatctggg ttgcggatcc aatagatact ggtatatatg tggtatannc 120
 atactanaca ccttcactct tcgtactctc acattggtaa ataaagcctc tagtaatcta 180
 cccgatgctt cttcacatgg atgaaaatct aaaagttccc acagaacatc tattacctcc 240
 gctttcatca tctgctcagc acttgagcat cgcttctgtc atgaactata aaagcattag 300
 ggctatgcta atngtactct caagtgttga gtgcaaaaag ttcacaagaa ccactacagg 360
 aactntaaaa tagttatcgg cattgggaat gtaatacatt agagagaact aaagcagctg 420
 attccagagc gcatgtgggt gctgaggctc atcttgataa taacctttgc agtcaaaaaa 480
 tacctcccca tcaccactgg cttttggcac n 511

<210> 36124
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36124

gggngnnnnn ggtaggcatg acatcgtaca cngacacttc gatacatatc ctanaagtgt 60
tcatataaag atctttcaac gttgatgttc tttccagagt gagtacagga acattatattt 120
gatttcaacc ccatatagta aataataatg gccttctggc ccttgggtcaa gtttcaatat 180
ttaaatggat ttttaattggt tcccttaaag aacttccttt cctctgggttt cattgggatt 240
ggttcaagta taagaatttt cttggaacac cctaataatt accaactaaa taacaattct 300
aattgatagg gcacactttg aaagttgatg aatttgaacc aanatacaaa agcaggcccc 360
tatgaggaaa gaggggtgct caaatattac taccaatact aatgaaaaaa catgtcagac 420
aatggatggg acagaataat agtaccaatg attgcanata gaagagatga caggccagat 480
cagacagtgc aagcatgcca tgnacagaga ggaacacan 519

<210> 36125
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36125

ggggaaaaaa annnaaggct gaacatcgat acttogaact tcnaaactca agctgatgtg 60
cgctaagcct tacatctcag gctaagngca tnttgtataa naatttttgn gnngcanaaa 120
gcgctaagcg cagccttgcg gcgctaacc caaaaccctc tcttgaattt gaaaattcaa 180
agtgggccgt acgccgaggg taggctaacc cattggcctt aaacctcaaa tgtcataatg 240
gcaccgctta accgcgcca aacggaaatg ctaaaaataa aatagaactg ccatangtag 300
ttacctttac accaaaagct ttttcctgtg cttgtgccct tgtgcttttg tgctttcttc 360
tgctgcatt tcaagtcatt cgtgcatcat gctngctntc atcttacatn cttcacttca 420
atccaagtaa gtngatgttt attttcattn gcttttcatg cttttgacct tangatagat 480
gatttcctcc tttgtagctn gcagtgcctg ttaagt 516

<210> 36126
<211> 298
<212> DNA
<213> Glycine max

<400> 36126

tacagatacg ctggaagcac tatgaaacac atgatgatgg atatgtgtat gacagaatga 60
gagcactatt gggaataata tccttattag tataacattc tgcacactaa ctgtctagga 120
gttgaagcat tataactata ttaagacatg gaacaataaa tgtagtgact aaccactgaa 180
aatgcttaca tgcctaagtg cttgaacgta tgtgtctaga ctttctcagc actaaggtaa 240
tcttgagtaa agattggaga gaaaaagttc atgaaaagtc aacacatttt gatcgttt 298

<210> 36127

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36127

nntaaaactt gcattctacc ctctgatccc ttatttactt attgctttct ctaattatgg 60
ttacagaagg accggctact ttcaaccctt cttgaacaat aagggtttaa atgtgagcac 120
aacattggat atgaaaaaat tcaccaccac ttactaaacc attagcatgc aaaaaaagtc 180
tttcttcaa atagtcttgc attttatcat tggaagaagc attatctaga gttaatgaaa 240
atactttctg ctcaatcccc cattcttcca aaaaaccata tataacttta gccttctcac 300
gccccgagtg tggaggagga aaatgagaaa aattaagcat tttactattc aacttccaat 360
ttgcatcaac ataatgtgca gttaatgaaa tataaccctc agaagtacaa gatgtccaca 420
catc 424

<210> 36128

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36128

cagtagatga agatgaatct gtggctcacc tcatgtactc tctctaagga caatagcatc 60
atttcttgca ctgaattgtt gggagttcga aaccatcttt tcaatcaa tccatgccta 120
agcaggagtc atatcaccaa gagctccacc actggcagca tcaatcacac tcctctccat 180
gttgctaagt ccctcataga aatattgaag aaagagttgc tcaaaaatct ggtggtgagg 240

acaacttgca cacaatntct tgaatctttc tcagtactca tacaagctct ctccactaag 300
tttcctgatg cctgaaatgt cttttctgat ggcattggt 339

<210> 36129
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36129

tctacaacaa gctagaaata taaaacgtta tcttttctca tctttaacac ttccccctca 60
agctggagca tataaattgt gtgctccaag tttggaacat ataaagtgga tctgaggacc 120
tctcaaggac ttggtcanga tgtctgcaag ctggttggtg gacttaataa attcagtact 180
gatttctttg gactgcagct tttccagaac aaaatggcaa tcaatctcta taggtttagt 240
tctctcatga aatacagaat tagaagcgat gtgaagagct gcctgattat cacaatacaa 300
cttcatctgc tgaatatcac aaaattttta ttcttgaagt tgtttaatcc acaccaattc 360
acaagtaaca agagccatag ctctatattc tgcttctaca cttgatcagg caacaacaca 420
c 421

<210> 36130
<211> 265
<212> DNA
<213> Glycine max

<400> 36130

aaaaagagtg ctatctctac gacctatctc acgactaata ttaatcactc ctcttttaag 60
actacaaata tcgaatatgg atcataaggc tttttgttta cgactttgga ctaattaaga 120
actaaagtat tccaaacctt tagggtagga caatccaaaa aatggacgta aattaactat 180
tacttctagg attccttttc ttctgagtat tatttttata atcttagaaa ataattaata 240
gatttattat caggacaaat tatag 265

<210> 36131
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 36131

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 actttctgtg attggtttaa agatacaatc tttgcagatg agaatgcttc agaaacatta 120
 agaaaactag ccgatggggc tgtaagaaat gttataactt ggcaaggata cgacataaac 180
 aagtattcat ttacacaaa agcacaagat gacaaaagta caatgcagaa cagcgggggtc 240
 accctaaggg ctgaatctca acactttgca agtgtcaatg acgccaatcc ctgtgttgct 300
 tccgtccctt actttgggtt cattgatgaa atttaggagc ttaactatgt gaaatttacg 360
 gtatgtgttt tcaaagttaa atgggttgac aacaacaccg gtgtgcgcac cgatgatat 419

<210> 36132
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36132

gactaagtgc tcaccaacac tagataagaa tccctcattt tgtttcatgt aaacctcttc 60
 ttctagatca ccattcagga acgccgtttt cacatccatt tgatgcagct caagatcaaa 120
 atgagctact aatgccaaaa ttactcgaag agagtctttc ttagatacag gggaaaagggt 180
 ctctctgtaa tcgattcctt ctctgtgagt gaatccttta gcaacaagtc ttgccttatg 240
 tctctcaatg ttgccttctg agtctttctt tgttttgaag acccatctac atccgatggc 300
 ttttacacca acaggcaact caactagatc ccaaacttgg ttagatgcca tagaatccat 360
 ctcatccctc atagcattat accacacatt tgattcctta gaactcatgg cttatgaaaa 420
 cgtctcagta tcattttccg g 441

<210> 36133
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36133

ttcttatcca aggctcatct tgggtgtgaa gcttcttctt ccatggetta tttccctagt 60
 ggatgggtgcc tcttctcacc tcttctcctt tgtcttccgc tgcattctca tgggtggaaaa 120

tcaccâataa aggacctcat tgaagctcan agatccagcc tccatagaag ccccaacaagc 180
aagcttccat caagtggtaa tcagagcaca agagcttcaa gtaggtgctc cttaaaccctc 240
cattaatttt ttttgcttta cttctctctc cattgttggt tcttcatttt tttctccacg 300
tatctcctca tatgtcttgt gctaaattnt gttaacatga ttcttttagag tttccaccga 360
ttaaacttgc tatagaagtt acatttgatt ntctatg 397

<210> 36134
<211> 499
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36134

agggtgtgnn nncttgata gccgcnact aggataaacc acggagcaac aagggtctcc 60
cgaagaccga ctatcttttt acacncaaag cgccagagag ggcgttaaca acataaaact 120
tattcctcca aagggaaccga ataacatgtc ataagcacta atcggccttc acatttgaga 180
attcagagag catatattct attgcttact aagatactca catctcttac ttacaatttg 240
agacctgaac agttccattt caccgtcagt aacatatgct gagectataa tatagcttga 300
tgtgagattt ctttgacat ccacaacagc gtgttactag attacactat cgcacaactg 360
attactagat tgtgtcccc tcagatgtgg cttcatgcta cagggcaaga accaagatat 420
gaaaatggga cactagaact ttttcctcac aagggtgaatg gtctttatct tcgtttacaa 480
cgctgtctgt atgatcccg 499

<210> 36135
<211> 544
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36135

ccccccgcc agccaataaa aaagaaaaaa aaggaaaaga anaccagaa acagggcggn 60
nnatgagcct cgaagaccac cnanacanna acaccgggg gaggaagaaa acgcccagg 120
agagagcagg angcttattg tgaccaggcg accacaaacg tggagccgga agagactagt 180
gggacacccc aaggcagaga aactgacaaa cgaaaagaaa acaagcaacg aagagaagac 240

gagactcaaa gtgaaacccat gaaacctcaa gcaaacgtag aaggagcaca accaccaaga 300
agacggacac acaatcaaac gagatctaca tatgcagaga agcgcaaatac agcgcccccac 360
caagaggaga tgacaccgaa aggcaacacc ccaagacgcc gcgagaacgc gaacaacaca 420
cacaccggca cacacaaaaa gaagaacgcg aggagagaga ctagcacagg gggcaccacg 480
acgcgacnta gacacgcaga gcgagtaaac aagcagagcg aaagacagga ccacaacaca 540
aact 544

<210> 36136
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36136

ctcacctcct tgagatgaga agctagagnc tagctacaca cccctataa tagctaagct 60
caccctatg acaaaatata tgataatata aaaaanatcc ctactacaaa gactactcan 120
aatgccttga aatacaaggc taanacccta tactattaga atggccanaa tacaaggccc 180
aaacgaagga gaaacctatt ctgatatntg caaagataag tgggctcata cttaacccat 240
gggctcaaaa tctaccctaa agctcatgag 270

<210> 36137
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36137

ntntggattn tcacaagtgt tggctgaaaa ntttttagag tncttctaca accaattggt 60
tggcaagctg accaaggggg gttaaatagt gtgtagata tatatgaaaa tcatttcgca 120
aggagtatgt gttaagtcaa aagacatttg tgtcttaaga cgaatcatgc ctttgactat 180
tttgatttga cgcacataaa tacaaagggtt aaaatgttgt tttgtgcat attagaccat 240
gcctcatata tttgtgtttg tataatcgaa tgatagaaga ggcattccat gatctgataa 300
agcattaaat gatagcatta aaaaattcat ttattgtcgc gtctcggatt cattttatag 360
atgttggggtt agtcgagaat ctaatagagg ggaggggttg aatagattcc ttcgaaaact 420

taacctctta atttcttaatt tcaatt

446

<210> 36138
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36138

acctattggt gtcaactttt acttacttgc atntactggt tttttttact atagaagtag 60
tttatttctg ttntaaccat ccattatcaa tgctattcca acaatgcctt atttctgaat 120
taaactctgt ctaataagca agttacctga gttcaatact cggatcactc cattnntaat 180
ttaaatactt gactaccggg tgcgctntcc ggcgaatcgg atttcccttg aatatatttg 240
tataaaggaa aatnggacca naaagtaact ggaggggata tccaacatat agtctntgaa 300
aagtaaaggt ggatgacatt gatagtctcc t 331

<210> 36139
<211> 441
<212> DNA
<213> Glycine max

<400> 36139

tcgtgggaaa ccagtgcattg gaggagaaaag ttggatgctg aatttgattt gtgggattca 60
caatcatgaa ttggcaaaga ccttagttgg acatccatat gctgggagat tgacaaatga 120
tgagaagaat atcattgctg aaatgacaaa gtcgaatgtg aaaccaagaa acatcttgct 180
aacgttgaag gagcacaaca ccaatagttg caccacaatc aaacaaatct acaatgcaag 240
aagtgcatat cgttcttcaa taagaggaga tgacactgaa atgcaacacc taatgaggct 300
tcttgaacgt gatcaatata ttcattggta tagattgaag gatgaagttg tgggtgtgtga 360
tttgttttgg tgtcaccag atgcagttaa gttatgtaat gcgtgtcatc ttgttttatt 420
gatagacagt acctacaaaa c 441

<210> 36140
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations

acatgcgtgt gaaaaagtat gaccatttgt atttctcaag agcttccgat tgacaatttc 180
aagcctctcg acatattatg cgcccgaatc ggacatccgt gtgaaaagtt atgaccattt 240
gtatttctca agagcttccg atgttcaatt tcgagcctct cgacatatta t 291

<210> 36143
<211> 405
<212> DNA
<213> Glycine max

<400> 36143

tataatatat tgatacgctc gaaattaaac gtcggaaact cttgagaaat tcaaattggtc 60
ataacttttc acacggatgt ccgattcggg cgcataatat gtcgagaggc tcgaaattga 120
acaacggaag ctcttgagaa attcaaattg tcataacttt tcacacggat gtccgattca 180
ggagcatcac atatagagac gtcgaaaatt caaatgggtca taacttttca cactgatggt 240
cgatacaagc ttataatata ttgatacgct cgagattaaa cattggaaac tctctagaaa 300
ttcaaattggc cataactttt cactgatg tccgatttaa ggcataata tgtcgagagg 360
ctcgagattg aataacagaa gctcttgaga aattcaacat ggcat 405

<210> 36144
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36144

agttgtgtgt tatacaacaa taagccttat tccaccaagt ggagctaata tacatgtcaa 60
aatcactaat tggcatccac atttgagaat ccaaagtgca taaagtttat tgattactaa 120
gccactaact tactttactt acaatnttgg cgatgatcgt tctatatcaa tctcgttaac 180
ctatgctctg ctcatctta ttntccctg catgatttcc ttgggactac agatactg 238

<210> 36145
<211> 468
<212> DNA
<213> Glycine max

<400> 36145

tcttgagtc ttctatgcaa tgcccttggg gggtaggatt actatattct ctccccctt 60

gaaaaggatt tgatctcaaa tccatagggtt cttgaaactc atggattctt tcctcaacac 120
 ctctaaaaag aataaaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
 actgaaaacc cctttcttgg ccatcttccc atgagagaat atagttcctc accaactcag 240
 tgagtgggtgc tacaagtata gaaaaatatg ggataaacct ttcgtaaaag tttgttaaga 300
 tattgaagcc cctaatttcc cttatacatg gcggagtaag ctactcaaga atgaccttta 360
 ttctcttagg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
 aataaaatat accttttttc tttattttca tgttgattat tcctacaa 468

<210> 36146
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36146

aggggattgn nctggagant ctagatctct agagagacac cngccgcatg aagctngcat 60
 ccaagctcag caagcgggta ttcttcttct tcatggcnca caccctagag gaggggtgcct 120
 gctataacct cacctcctta gactcacgct gcactctacat gtaggaaaat caccattgaa 180
 ggacctcata gaagctcaga gatccaagct ccataaaagc cacacatgca agctctcatc 240
 acacgaagct gaggagtcca tcgatagcca gtgaacacga caaacttatg agataaaaact 300
 cgcctatagc gtatcaaact ctaccactnt atggatactt cgtcagagat cactctttaa 360
 tgccaagaat acgaagcaat actcaatact atcatgatgg gtgataacaa ggccatccca 420
 cagataacgt aactaagctc gcaagaaagt gggctatccc atctccgaat caatatgccg 480
 ctagcgagca gacctagcgc cctctctgg 509

<210> 36147
 <211> 458
 <212> DNA
 <213> Glycine max
 <400> 36147

tgagatgagg aagtgtagaa aggtgaaact tcctgttttt attctttgac cacagagtgg 60
 tacctggaga tatgtcgcgg agatcaagag accttgggga cgtcaagtgg ggtgctattg 120

tagatcttat ttgataggat ctaaaattat ggtttttact gatcatgttg ctataagtta 300
tctgttagtt aaagctgatt ctaaacccca acttatccga tggattctgt tgttgcagga 360
atttgactta aagatcaagg ataaaaaggg aagtgaaaat tatgtagttg atcatctgtc 420
taggctgacc aatgatgagg tgatcacaca agaacctg 458

<210> 36150
<211> 424
<212> DNA
<213> Glycine max

<400> 36150

tggactcgat ggggccgatg catgttgaaa gccttggacg aaagatgtat gcctatgttg 60
ttgtggatga tttctccaga tatacctgag tcaattttat cagagagaga tcacacacct 120
ttgaagtatt caaggagttg agtctaatac tgcaaagaga gagagatagt gtcacatga 180
gaatcacgag tgaccatggc agagagtttg aaaacagcaa gtttactgaa ttctgcacgt 240
ctgaaggcat cactcatgag ttctctgcag ctcttacacc acaacaaaat ggcatagttg 300
aaaggaagaa caggactctg catgaagctg ctacgggtcat gcttcatgct caagaacttg 360
cctataatct ctgggctgaa gccatgaaca cagcatgcta catgcacaac agagtctcac 420
ttat 424

<210> 36151
<211> 277
<212> DNA
<213> Glycine max

<400> 36151

agatactcac cttacaagga agtttcgtgg aggaggagaa ttagagagtt tcatttgtct 60
tggaaatttg acggaaaaaa gggagagaat ttaaccttta aagttgtctc tcaaaaatct 120
cattcctcaa atttccctta tacttgatgg agtgggccac tcacgaatga catttattct 180
cttaagggcc gcggaaacac cttgatcact atttacacaa ttgaggaaag tcatgtgata 240
aaacatacct ttttctatat ttttatgttg attactc 277

<210> 36152
<211> 339
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36152

aaaaggtaat attgtagccg atgctctttc tcggcgatcat gcattacttt ctatgcttga 60
aacacaattg attggtcttg aatgtctgaa aagcatgtat gaaaatgatg aaactnttgg 120
agaaatttta caaattgtga aaaattttca gaaaatgggt tcttttagaca tgaacgctgt 180
cttttcaaag aaaacaaatc gtgtgtgcct aaatgttcta ctagaaatct gcttgcttgt 240
gaagcacatg aaggagggtt aatggggcat tttggggccc aaaagactct ataaacatta 300
caagaacatt nttattggcc tcatatgaaa aaggatgtg 339

<210> 36153

<211> 398

<212> DNA

<213> Glycine max

<400> 36153

atactcaacc ttctagatga gttatgtctg cgaatcggac atcctgtgat atgttattac 60
catttgaatt tctcgagtgc gtggcggttg ttaatttcaa gcgtctcgat attttatgtc 120
ctcaaatacag acatcggagc gaaatgttat gaccattcga agttgtcgag agcttccgtt 180
tttcaatttc gagcgtctac atgagttatg tcaccgaatc atgacatctg agtgaaatgt 240
tatgaccatt ccaatgggtc gagagcttcc gctgttcaat ctcgagcgtc tagatgagct 300
atgtacccga atcggacata cgcggttaaaa gctgtgacca tgctgatatg gcgagagctg 360
gcgctgttca atcacgagcg tctcgattta ttatgtcc 398

<210> 36154

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36154

tgttgatgca agaggagcat ccattgcat antttagtga gaaatcgaat ggggctgctc 60
ttanctattc tacatatgat aaggaattgt atgccttatt aagagctttg cagacttggc 120
agtataatct cttgcccag gaatttagta ttcacagtga tcataagtct ttgaatactt 180

gaaggacaag gaaagttgac aagtgcacgc cnatatgtgg aattcttgac aattcccat 240
gtg 243

<210> 36155
<211> 425
<212> DNA
<213> Glycine max

<400> 36155

tggagaggat gttttaatgg aggaaaagaa agagggagat atagagagag ggggagcacg 60
aaattgaagg atgaaaaatg ggagagaagt ggaactttga tttgtgtctc actagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaaaaa ttccttgaga agcttctttg agaaaacttc cttgagaagc tagagcttag 240
ctacacacac ccctctcata attaagttca cctccttgag aagcttcctt aagaagattc 300
ctaaagaagc tagagcctag agacacatac ctctctaata gctaagctca cctccttgag 360
atgagaagct agagcttagc tacacacccc ctataatagc taagctcacc cccaagacaa 420
aatac 425

<210> 36156
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36156

atgcttcacn gantntgnca cggccgtgct cttgcctgcg agccctctta gggtcttggt 60
cctaggcctt tgtgggagct gcattttcct atcgtaaccc ggcacactct ttccagacgt 120
ctgtagcgac caactctgat ttttctttgg ccagtctcgc ttttcctagt ttttggtntc 180
agagctcgaa cttcttcac cttctccaga gcttcgaaat tctcttcggt gataatcttt 240
aacttggcga gccaatctaa accccgtgta cgaactttca tccattcatg ataaccaccc 300
atgatngcca tacgaatgcc cctaagctct ttatctttcc ttaacggggt tttccacgcc 360
ttatggactc tntgtataac cctgaaattc tgcgcgcca aatctctcac aaggaaagga 420
gacangcttt cttccgtcng gtgcttccn 449

<210> 36157
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36157

ntaaccgttt atttaagcca ttttctcacg taataaatgt cttaatgaat ttcaaccaat 60
catttggtgtt gtaatgtcat ttaatcaatg ttaaaacaaa atctaaccga tcgttcacgc 120
tataacctcg gttaaacaaa aaaaggtaaa ataataataa aataatcaaa aaaatcaatc 180
ggacgttttt ctttgaaagt ttcttgaat taattgacta ataaccaag tgaaaccaag 240
gctaaaatca actcacaaat caagcttgct cgcaaaaaat cactcaagac cgttttaagg 300
tccaacgcct taaaacggct ctctttgctt atattggta aaatggacca ttcaaagcat 360
aaaatcaaca tataaattta tcgcttttgc aagaactacg taggtatgat tntctcatca 420
caattgagg 429

<210> 36158
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36158

gtagatagct ncagcgttgc ccaaccagct aacactgatt ntgacaggca cttgttcccg 60
aacgccgaac attaataaca cttccggggc atcaaggat tggcattcct cagagagagt 120
gggtccact ggaggaagat gaagtccttg actttcaaga aggaggtgct tattagcgcc 180
tgccacaaat ttgtgaacc catgattaaa tccgacctag agatagtcac gcaattctat 240
gccaaacgct gctaccgaa ganggagctc gatatatgtg ttagaccgca nagatatttt 300
gatgttntga tgaatgccaa ggatctcacg cctctcnaag ttatttcaag acaagaatcc 360
aagaaattca agatatatga tncagataat cttcagagtc ttatgaagga aattccaagt 420
ngaaacaaca agaggtttga ccatagaatn 450

<210> 36159
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36159

tccgcaacat ccaagtaaaa caacattcaa acagcacnaa acttcactgc caaganaata 60
gagcaaaggc agaaaactct gccaaaacac caaccgaaat cacagctttt ctactttaaa 120
gaccccgagta acaatttcctt cgatccaatt cggttaaccgt tgggttgact ccaaaatttt 180
actggaagtc tctagtacat aagcctacat ttgacccgtt gggatctact agcaaaccatc 240
cagaactcat tctgcaactgc tctttcccca accagcaaat gcatagcatt tttctgcact 300
tgtgcaaaat tctgctgcac aatttcacag caaaattctg cacaagtgac agatttcgaa 360
aaccacactt cccctcatcc aatcttgccc aatcaaatc ctataagtcc caaacatgt 420
atcaatcatg tctaaaccaa agtcaagctt 450

<210> 36160
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36160

aggggnttat gggcagttgc nngatgntct agagattctc tagagaccac gcagccgtct 60
ggctctagan acccttggtg atcgatatca ttttttanag cccacaaaag gggtttttat 120
atatgtttat agttataacc cactaactac aggggatgat tgcccttgta aaaaaataga 180
tagaacacac acacacacac acacatatag atataattct caagcttata tatnaaacat 240
tcctcttata tgatgtgacg tatatatata tatatatata tatatatata tatatatata 300
tatatgtata tatatatata tatataacgg tgtgatgggc acgtggaaac aaaatataga 360
gaaaatttga aactgtgact taagaagaat ttgttagatt ttatttctcg acaaaaattt 420
tgtatgtttt atatattcac aggaaggatg tcttattgtg tttcttcctc atataatgag 480
tgttgacccc agaaaccatt tatttn 506

<210> 36161
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36161

tgcccgagtg atgcatccct atgagatgcn gtggaattat tttcgatcag aatggccatt 60
ccttggagga tggggtagaa ccaagcgcat gctttttcaa agaacgttca tggaatcaag 120
ttgaacaatg gaagtaacta tcttgcaaaa attggggcaa aggatgaatc tagtcacatg 180
actgcatgaa cgactggcac acgtatttat gaaaggagat gtccttgcta cttgcggtgt 240
cacctataac atatatgtga tagaccgtgc ggaaaatcta aattgattga agcggatatg 300
ctgcacagat gctttaactg tacatcatac gtacacatcc ttgctgctca ataggagcgg 360
agcccatggc actctctcct tgaatatgaa catgattatc cataagatga ctgtgtcata 420
c 421

<210> 36162

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36162

cagtctggat acccttcacg aacagatnng tcggctattg gagttttata nnttcaatcc 60
ctctaataaa aaatatgcat gaaatgtcgg taaaagaaga tggttcgaat ctgacgtcca 120
tgcgagtgat agcttctctt gttaaccctc gatcgagtca ttctttccct gggccgaagt 180
acgacaagga attnnttttt cgatcatact atcggtgaaa nannatattt ttngccgaga 240
tgggctaata ttctcctggc cgaataaatg caaatatgcc agtttcggcc gaaacaaaac 300
gtcggttgag ctgcgtcaaa taaacttagc cgacctacat tgtacatctt ttatgcaaca 360
ccaaaacaag aggacttcct ctgccgtaat aaaacatatc ggccagcgag c 411

<210> 36163

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36163

ntacagcaga ntttagtaat gaccactaa cctagaatta aataacttaa tgccattaac 60
ctaggggaatt aaaacaaact taatggctga gtgtaactga aattgtggca accaaaagtc 120

accccaaca gccacaagt cagccacccat ttggtctccc aaaaggctga tgcctatggt 180
 gccaatggg cccttattac aacttgaact aaagcccttt tagttgatta acccaaaaca 240
 tatttttggc cagccaactt tacaaggatt gggccattat ttagacaaac taaacactct 300
 aaaattgaaa taaagtggg tcathtagtc ctctccatt tgggccatga tacaactcac 360
 aaccttgac ttttctcctt gaaacttggg cttgtattca aatagtatgg acaacacttg 420
 ttgaag 426

<210> 36164
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36164

attatatctc acacttttag aatattatct agacaatgat aagatattat tcttatcatt 60
 ttaacttagt aggttagtaa tctgattcta agatcaaaat ataatgttaa tattcgaatn 120
 tttggtacat ttttctctat aaacaaaact aatgaataag agttctacga actcctacac 180
 atagtacatc tcttctttct tttaaaatat attctctaca taacaaatca acaattgata 240
 tcagagttat cttcttacgg accagaacag aatgaaagcc aaagtaatta agtgttttac 300
 aagttgtctt tcttatcttt gatggcanaa gctatgatct ttgacaatg 349

<210> 36165
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36165

tgtctttcaa atcctttctt ctctctctct ctgaggatct gctcnntttt ntctctctct 60
 cgagctctaa ctgtcgagtg gaacgcgcag tgtggagggt ccctagccct cgaacgctag 120
 gtatcattgg tgctttcatt gagcacaagg tggacgtatg gcggagaata cgcgatcaaa 180
 agctatgtca tcggaaaaaa tggaggagct gtctcggaag tttgcggcaa cggtagaagc 240
 aaaaatggaa tcattagcgg agaggtttag acatcttgaa accagtagat tcagtccctc 300
 acaaacacag cctgagatgc cttcattccc ggcggcgagg cagagtgcag caccgcaccg 360

attgaagctg gatgtgccga ggtttgacag ctccgatgct acagagtgga tctntaataa 420
tacgcaatat ttcgaatatc 440

<210> 36166
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36166

cacgaggccg ctggttggtga gagaaagagt agggaccaca cacactttct gttgcatatc 60
tttagagaag tacaatcttc cagtgggtgcc tagtgctaga gctgactttc aacatacaaa 120
tcaaaagaaa cgctaatagc ataagacana aggagtgaca attacctttt gttatgcaac 180
ananactatt gattgcatga taatagaatg aagcanaatg ccctcatcac ttgtctttca 240
caaagcatgc agttattcaa agagaagaat ataatgtatc ctgtacaata aatngggagt 300
aggcataaga cagatatcaa ggaaagtagc ttaaaccaca gtctcgcggc tactgtntca 360
ctcaagcaca agtggttaag catttcatca ataacaact 399

<210> 36167
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36167

tatccttatg gectgectcc ggaccttcac ccccggtcca cctcagaagt gttaagccaa 60
gcccctactt ttgaggggca actcccacca tatgaagact atcccgggca agacgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atccgtcccc gcatgaacta 180
ccccaacaga acatattccg tcataccccg gcctcaccca caccgtaaa agaactctgtt 240
ccctttgcag aagataaggg aaagattgag gcgcttgaag aaaggttgag agcagtcgag 300
ggcctcgga attaccatt ctcggttta gcggatttat gtctcgtgcc caacatcgtc 360
atccctccca agttcaaagt accggacttt gataaatata aaggatgac atgtccgaag 420
gggcatcttc ngatgtattg ccganagatg gaggcgtatt ctgcggac 468

<210> 36168

<223> unsure at all n locations
 <400> 36170

atatatatag ccagaagggg tggttcccta naataacgga cgagctcacc tcagtatccc 60
 ccataaaaag acaagctcac cagcgttata tatgaagaac cgaacccaaa ggtaatgcta 120
 tatatctttc atctgcttag atattccgag ggttttggtt ggattgatga gttaataata 180
 aaacaagcta attaaaatga atatatgtta gttgggtcttg tttcttagaa taagatcata 240
 agatgaaatg anatgtattg aaacttacac aaagctattt acattttctt ttcattcaat 300
 aagcttatat ctctcttact atatatatat atgnnggggct atggaatata attaataact 360
 aactgttcac taatataata tatata 386

<210> 36171
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36171

taattattca tgcactatgt gtattttaat gnttcaaaac ngtgngttct taaatctaaa 60
 tagcttagtt ggagaattaa atttaaaaaa taattataaa ataattacat aactcttcat 120
 gcgatattca cacctttata acataattag tagtatctaa caccttatat tttgtatata 180
 taatttttaa aataattata ggaattcatt aatgtacacc tacctatfff tttagaagta 240
 gttactaaat tacaataaga ttcttaaaat acatcccagg cctaagttgt taagattatg 300
 ttttaataaga tatttttagga gtctataagt tatttttgact aaagtaaact tgtctaatac 360
 atgagtttan tttttataaa ctaccttaag agaacttatt ttgataagtt acttaaactt 420
 ataaaagata agctaactta aaagtttctt ttcatt 455

<210> 36172
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36172

agcttcatac aactgagaca tggtagaata atagngtact ccaggcatng ccgttngctg 60
 agatctcatc acccttacag actatcgaaa aaagctttta atggaagtca agagcacgaa 120

actgcgctga taccattgac tgggtgaatag gtcttccagt ggggtgaaca cctgaatact 180
gtatttggaa agacctaaaa gaaggataaa agtaagactt gcatatggaa gaagagggtcc 240
atatttctttg atatttcgta ttggtttgat ctagatgtta gacattgtat cgatgttatg 300
catgtggaga aaanagtatg tgatagtgtc attgagacgc tccttaacat tcaatgcaag 360
atgaaagatg gtctgaatac ccgtcatgat ctatctgaca tgggtatacg atcgagttg 420
catccaaagt ctggtgggaa aatatacttg cctccaactt gtcatac 467

<210> 36173
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36173

agaaactcaa gcttaacagc taanaagttt gtacagaaga agaaaattta aagattttnt 60
ntgtcattat gatatggaat atccaccaat tttgctgatg attaatttcc atcaagtaat 120
ccaattggtc tcctttaatt gaatttctct tcccaatcat gttttttcat tcacaagact 180
cgaatataaa atcttgttta aggagaccac aggactaacg tatgttgctg gtaaaagtac 240
atggcctcac ttttggttta ttagtaaacc cgaaaaatga gaaattgcgg gttgatatgg 300
tttctcaa at aggaagggtt gtgttaaagg ggtatgaaaa gttgcagcat atgtatgtga 360
ctttctgtta gtagagtgtt acattagtaa tatgttccta tgcatacttt ctggcattca 420
gtgttttcat gttcaagtcg tactacttga caatatggta tgtactc 467

<210> 36174
<211> 473
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36174

ccgaacacaa naggagagaa ganagaacta ttgatcagct agagaacacc ccggagcgag 60
aggcataggg atagagcaaa cgctgaacta tnccgagccc aaagcaatga ccacaagaaa 120
ggggagtaga ggctcaggat gcaccatagc ggacctggta gcacaccacc tggccaacag 180
acagagccat ctggcattca agcaccagaa acagctgaag aaacggctaa aacggatcac 240

acaccacaag ccaaaggcga aggaagcata acgcacggaa cagaggcgca cacacccgac 300
 tcgactcacg ctgtacgcat caaaacagaa acatgggaga ccaagtcgcg cacactgcga 360
 cgctgtgaca cgcacacaag cgtacctaaa tggatctcgg acagctggat aaggcacaac 420
 aanacagcac cgaggcagca acaccggcta tgtagaggga ataacgcagg aag 473

<210> 36175
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 36175

ccttcttatc caaggctcat cttgggtggtg aagcttcttc tttctgggtt atttacctag 60
 tggatggtgc gggttcttac ctcttctcct ttgtcttcgg ctgcatctcc atgggtggaaa 120
 atcaccaata aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180
 caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct 240
 ccattaattt tttttgcttt accttctctt acattgacgt ctcttcattt ttttctccac 300
 gtatctcttc atatgtcttg tgctaaatat tgtaacatg attctttata gattccaccg 360
 attaaacttg ctatagaagt tacatttgat tttctatggt tcaaatttct t 411

<210> 36176
 <211> 59
 <212> DNA
 <213> Glycine max

<400> 36176

agcttcgatg ccgatgagca ggtcatctcg tgcgcgctca aggagctcgg cggcggcgc 59

<210> 36177
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 36177

gatgcgcac caccgggctc gccaccgcac aggcccgat taccttatcg gcatgcatgg 60
 tctttgcagg gcatcacaac tttcagaatt tcatggaaac taaaaatact tatgtagaac 120
 aatcacttga cctgcctgca ggcgcgcctg tgactgtccc ccaggcgact gcaccaccac 180

agtcctctat aagacatcat ttatcagatg actcgccgc acggccccgg cttcactcgt 240
 agaatcgccg cttggattcg ccggccagca ccgctggaag gcgaacaagg agttcctaga 300
 ggagtcgcct ggcaacgctc caggcatcgt tggagacgag cctgcacccc accggtgcag 360
 gctttttttt gcttcagcgc atgctcatgg actggcgctt ccaggccggg tcctgccagc 420
 gctggaaca 429

<210> 36178
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36178

tgctccacan aggcataat catcacagcg gtccccttga actgagaatt ctgagaccca 60
 actggaatga tgatcattcc ttgaaaaatg ctgattcaaa ncaaactgac tcagcacata 120
 atcttgatac aatggtgtct ntggtctcat aagagtaaga cacttcatca gaatcanaaa 180
 caaaaatggg tntgaaaact ggatttgcac tgagaactgg atcacctttg aatattgccc 240
 ataccatggt ccacttctga 260

<210> 36179
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36179

acacttgaga atactcacc ttgctgtttt attataaata tcaataattg tcagatccac 60
 ctgggtaagg ttcacaaaat aacagccatt gtatcctatc cacaccaagg aaaaacatat 120
 taaaacaaa gacaatatag atttaaaagt tctgagcaaa tcagtgtgag ttattctgca 180
 taagaactca gaccaacaat catggagaac agcaaattct tcgtgatacg actggtataa 240
 tcattttctt tattataaga aaaattacaa acgttcagca atgggtgata gaatacatag 300
 tgtcacaaga taaccccatg caatatccaa aacagaatag ggatctcaaa ggattagaga 360
 gaatattaag aaaaaatagt ggaagcatta taacatatat aaacattgat gagtgatgac 420
 aaaggaaaat aaaattaaac aagcc 445

<210> 36180
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36180

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 aaactggngc anataaagag ggtgaggatg anggagaaac ccatgctgtg acttgcattt 120
 ctgtacngnc aagttttcca ccaacccaac aatatcttta ctcagccaat aacaaacttt 180
 ctccttacc accacccagt tatccacaaa ggccatccct aaatctacca caaagtctgt 240
 ctaccgcact tnncatgacg aacaccacct ttagcacann accaaaacac caaccaagaa 300
 gtgaatnttg cagcgagaaa gcctgtagaa atcaccccaa ttncagtgtc ctatgctgac 360
 ttgctccata tctacttgat anttcantgg tagccataac cctagccaan ggtcattcaa 420
 cctcactttt ctgangatac gactcgaacg ccn 453

<210> 36181
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 36181

tgttaaaaaac ggaagaaaag aaaatgggaa atgaacgata ttaagatgaa agctaaaaaa 60
 caagaaatga attgaaagtc tcagattcga aaacttacc gttgaagaat gaagaacgaa 120
 tgaagaatga atgaagaacg acggaaaacc atcatggatt tgctcacgaa aacgtctcgg 180
 aagcattaca gaagcacctc ggcttgatt ttcttcacgg aaacaatttt ttttcaccag 240
 aacagctgaa atgcatagcc aggggatccg ggatccttgg aacaaccccc tttttctttt 300
 tttataggaa aaggggagag gaggttgctg ccagctcgc ccaggcgagc tgggttgctt 360
 cctttagaag caaccatgct tcgaaaatac tctggaaggt ccaaattcaa aatttcga 418

<210> 36182
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36182

ttccggaaag aataacttta agatccagat aatatgatgt attataccac ataaccagaa 60
acgaacaccc tctgtcattg ctgcatatat agcttgagtc aagttcttct atttaagaat 120
atgggtttaca tatagtaccg aaaaaaaaaa caatataggt tatattgcgt tgctttgact 180
aataatatcg tattgtagaa tacaaatatg ttgcacgtct gactcttaag aagaacacaa 240
nattaagaaa agaatanat cagtaaataa ccagttacga tggacaacat aagacattga 300
ttttttttta cttaatanat atgagtcaaa ttttttgttc caaataaaaag atattaaata 360
gattacaaaa atctaattnt ctatttaata attata 396

<210> 36183

<211> 442

<212> DNA

<213> Glycine max

<400> 36183

tcaacagaag gggtccttct cttcagtatg catatgatct tggtttatct tctgaccatc 60
ttaggatcgt atcttattcc tttggtggac cgggtggttca acccggttca gcaccctttg 120
gcctccaaac cgagttggct aagatgactg ctcaagaaat catggaggct aaggcccttg 180
cagcttccaa gagtcacagt gaagctgaaa ggagacgcag ggagagaatc aataaccatc 240
ttgctaagct ggcagcttg ttgcctagca caaccaaagt aagtctaatt aattaattaa 300
tttaactaaa attaaataat aaattcttcc cataaattaa ccacgtattc aaattataaa 360
atatgtatat ttactatta tgaatcatga attggctact actagttcgc atgtgtaatt 420
aatcatctga acaaatacta aa 442

<210> 36184

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36184

tttcttgagc aagtagcctg gcctgaagct caacttccat tggtagagacc caacgaggct 60
actccgctg agccacctg tgcaggttga tccagagcca actaaccac aatctctagt 120
ggtaaatcca ctatcttctc ttgagcgtga agtagttccc ccatctccac ctctgattat 180

catctccgat gcatcatctg atgaagcagc tgcccctcct gattcaccaa aaggagaata 240
cagctgacct tcctacttcc tagttggagg aattttctgat tcgtcatctg gagaagcttt 300
accctcactg attcccagtt agacactggg gacatgtgat cctgatgacc tnttgctttt 360
ggttatatta taatatgggt 380

<210> 36185
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36185

acactatgaa tactcagctt agaagtgtgc taactaatgt ttaataagga tgtagggact 60
agtttgtcta acttatgtct tatatgtcag caagaaagga aactcttttc catctttttt 120
gtgattgtat ggatactaag ttgatgtggc aattttttat tcgagtataa ggttcaatac 180
aacatcaatt ctttcataac caattgtcgc aacctaccct ttgcggggtg tcgcaacatg 240
cccttttgcg ggcgagcgaa ggcgaggctc acgggtgcgc tttccaaagg aggaaagatg 300
cgcggagtcg ccaccaacgt ttatttgtgg gaaacgtcgg aaaaaccgaa ggaaaccggt 360
cgaaatgaaa attctaagtt cgggagttgt atttacgtnt caggaaggta ttagcacctc 420
ttacgcttgt cttaaaggac aaqagcctat ttttaaaat 459

<210> 36186
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36186

agcttattat tcgtacacca naatgtgttc cnttgagtct tatnatagaa cccaccaacc 60
ggaccaagtt gttgtgggtg ngtggagtct tgagggagac tcaagcagtg tatcgagggg 120
aatctccact aaaggcctgc gcaacacaac aaattagaga cttgtctagt aaaaaaggca 180
ccttgaatct aagtaaaaaa gaacactcta ctttaactca acttcacgtt attctacttt 240
nttttactgg cttcacgtta ttgtacttga aacagctaaa cttcatgcan aaaacaaatt 300
ttcaagaacg tattgttttt ttattattta aaataccaac ttagagtga agtcgatata 360

gaaacagcaa gacactcata aaatggaaga taaaagaatg tgatgaccaa gttaattcaa 420
cgcaaccctt tatctcagac tta 443

<210> 36187
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36187

tataaagctt gggaaatcct cactttacat gctaatttgt ggtggttgac ttgggtccta 60
aatcctaatt gtaagatagt atcagagtat aaccaagatc cattggtggg ctaacctaga 120
tcaattgggc cacctgcatt cccacattcc aggctggtag cctagagcat gaaggggtgt 180
gtgttgaaaa gccacttaat cacggtcaac ctatctcgcc ttagttacgg cctctttggg 240
ggctgtcttt ttttttatca gcaaaaatat ataattatat tgatatgagt accagaggta 300
caaagggttac aatttaatac atcaaacaaa tggttccaat atcagacttg atgtagtctt 360
aattgcagcc tcaaggggtg tgctttttta ggccacatcg actagagata tggcttanat 420
agagcttata aaga 434

<210> 36188
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36188

gctatgtcct cgcgactggt ctctttcttc cctccgcaac ttgagttcac tattgctacc 60
ccatagagct ccgcgaaatt tgttcgggcc atactcttcc ttgcgagccc tcttgggtctc 120
ttgttcaagg gctcttgagg taattgcatt ctcttccgt aaccggcac actccttcgg 180
aacgtgtgta ggggccaact tgatcttctc cttggcaagt ttgaccttc ctaactcgct 240
tttgagagat tggacttctt cgtcctcttc cgggtgcttca naatcctctt cgctgacgac 300
tnttaacttg gagagccaat ctanacctcg tatatgaact ttcagccatt cgtgggtaccc 360
accaatgata ccattacgaa tgcctctaag ctcttgatct ttccttaac 409

<210> 36189
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 36189

tatagaatat ataataaaag aactatgact attgaagaat cattcatggt tcctttgatg 60
 agtctaagtc tattttctccg agaaaggata ttttagatga tgttgcagaa tctttagaat 120
 gaatgcatat tcatggacaa gattctaaag ggaaaggga aggaagcaat gaagatcctc 180
 ccgaagaaga tcatccccctt gacaacatta ttggtgatat ctcaaaaggg gtaacaacta 240
 gacattctct taaagattta tgcaataata tggctttttt atctatgatt gaacctagaa 300
 atataaatga agccatatta gatgatcatt ggatagttgc tatgcaagaa gaactaaatc 360
 agtttgaaag aaacaatgtg tgggaattag taaagaaacc tgaaaattgc cctatcatag 420
 gaacaaaatg ggtatatt 437

<210> 36190
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36190

tgggttctgc cagttcnnac ttgtcggnen ctnnanaang ancgccgctg cagcnaaaga 60
 gcagagtaaa gcannacttt ttattcncca ncctaaccgc ncaggnggaa ctcatgcgcy 120
 accgccccac ncaacccaag ggccagactt acacgcgact gagaacaatc aggtggagaa 180
 gaggntcgag gacttaactc cttaatgtgt catagacact ctcttgggcc ctagtatgtt 240
 atacttacta actactatct ctatctcttt taaaaagatg agtaatcgct tattctacac 300
 tataatttgt ttcttatgaa taggaacaaa tgtagtatac ttctaaagca cttataaca 360
 caaataatag tcataatagt agtaattaaa catcaccata ggacggcata ntaatgacaa 420
 tataagacag ggtacgatga ccgtaataat actcacaata tcgatcacat gcattgatca 480
 tgtccacacc actattataa atcaccacta atggactaat ag 522

<210> 36191
 <211> 432
 <212> DNA

ngtcactgaa tcatgagaag ctgttccaag gacacacca attcctgctg tcaaaacccc 60
catgaacttg aaggaaataa tttatatcaa tcctattaag gacggctgtc tagttttctt 120
agtattttat ttgatggcat ttttatcctg tatctgggtc tctttgtgtg tttatgcttt 180
cttttttctc tcatgattcc tgccatgtta atgtttataa tataaatatt ttctcacttg 240
cagttctact ttcaacatgg acgtccacct ccaaataaac tgaaagaaga atgcttggtt 300
aaaattgatc ggctattcta tgatcatatg gatggcatgc atgtgcatgg tgagatatca 360
cacatataag tagctgatag cctgaagggc aattttgttg caactgggtga aaagtgatcc 420
taaacaactt tcatattcta atgttggtata taattatgcc ctcttta 467

<210> 36194
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36194

agcttcaaca ttcaatttcg agcgtctcga taagttatag gactcaatca aacatccgag 60
tgaaaagtta tggctcgttg tattggctca aagcttcaac tatcaatttc aagcgtctcg 120
atatgttacg ggactcaatc agacatccga gtaaaaagtt atggctggtt gtattggctg 180
agagcttcaa ctttcaattt caagcgtctc gatatgttac gggactcaat cagacatccg 240
agtaaaaagt tatggctcgtt tgtattggct cagagcttca actctcaatt tcaagcgtct 300
cgatatgtna cgggactcaa tcagacatcc gagtaaaaat gtattgtcag tntgataggc 360
tcagagggtc aactttcaat gtctagcgtc tcgatatggt acgggactca atca 414

<210> 36195
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36195

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actccaagta ggctccgga tcattctttc ctttaaagtg aggaatgttg agtttaatac 120
catcaattcg gttttgtcta ggaacaccat cattccctct tctctcctt tcttcttcat 180

tatgatctct attctccatt tgatccaacc tctcatggag cgcacatct cgttgtttca 240
 ttaacctctc catatgttgc atcaaagctt gcatttgga ttgcgaaagc cccactccat 300
 cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag 360
 ttgctgtttg aatacctcac ccaactcaagt gtatcacaca attatggctn ttctctaag 420
 aaacactctn gccttttacc actctaattc cncttgagtt ct 462

<210> 36196
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36196

ttttnattac gctgggcctt tgtatgntcg agatnctcta nagnagacca cgcggcaggc 60
 atgctgactt gaaggctgtg aacaccacca tcaactactt agaacactgc ngacangnccg 120
 acngagagag ggatattcnc tccctctgca actggaggcg ctacttgagc tgccatatat 180
 ctccatcttt gggcgtatgc tcagaaagat ccgtgccctc tctttgcaca tgttctataa 240
 gggcatgcta tccgatgcca ttatactgac acagcctagc gaacgcaacc attacgtcct 300
 tccaagactg gactcgggaa ggttccaagt gagtgtacca ggtaacagct accacagtat 360
 gactgtcttg gaagtattgt atcagcaatt cctcattctn tgtgatgcc ccatcttccg 420
 acaatacatc tttagatggg tcttgagca agttagtcca ttgacgtcgc aacgtcaaca 480
 ccttgaactt gggaaggggtg atgatatcgg atactaagaa cgactcttct aggttagcag 540
 atgcn 545

<210> 36197
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36197

ggacagagat acaganatta tttgagctag atttccatat gttcaagaat tgcactgtgc 60
 attgagtcgc aatgtacaag gttcactctg agtactcata tcccaataga agttagcaca 120
 ctaatctaga agattaggat aagatttacc aatggatcat gctctaagct tcttctacaa 180

gtccatttaa actccaaaac tcaccaaagt agtcattct tctccattt tcacaagctg 240
 gtcaagagga aaggagacaa catttccact cctttttaaa gcttttccaa gtgttcttga 300
 gcccttcttc catcaagctt aggtaaatga cctccatttt cacttctaag cttgattntt 360
 acttcattac cttgctctat tctcactcgt agtttcttat cttatttttg cactattgaa 420
 ggtagaaaac tagaacctaa actccttcat tcttcttctt aaa 463

<210> 36198
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36198

agctnttgag tgcgatctat aaagcanata gatgtctata ggctttgtag aagttaagca 60
 ctgcaagaca gcattggcat agcaactgca ataataaaga gattaaaaaa aattaatgat 120
 tcagaatata ccaagaaaagg aaccatatat agatttttgc aaaagtttat cttcaagtga 180
 atcanggctc attnttacat attcaagtta gatgagaagt ttgaaaacaa aaggtaaagt 240
 gagaaagttc acataagtaa ccttgaaagg gggaaacctt ccctccccc an aacttttgct 300
 gacataacaa taataataat aatctagttg ttgaataagg tacagcacca cttgacaaat 360
 gacaaaagtt aatatctatt attaaatgat taaatctata tattcaacat ttctttctta 420
 tcacaatcgt agtgttttta tggtagtatt acctgttccc acaa 464

<210> 36199
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36199

cgcttaaagg tactttcata cacagtaa ataatgaggaa gaattcttct agagaaaata 60
 agttatgtat tataatgtaa aattatttta cattaatatt caattataaa ttaacatata 120
 tgataaattt gttgatattt ataataacta ccttgaaaat cgtaataata acgatatttt 180
 attagtttag tataaaatta ttttaatttg tcatgactat taaattcttt aaatatttaa 240
 tataaccacta ttttcataat gaatgatatt atgggtgatca gtgttatgaa caattttaat 300

aaatgtaa at gtaattcct tcgccttaac ttcaataact tacaaattnt ataaatgtca 360
 ttgttttatt tgaataatat aacatttgaa ttaacataaa ggtcaaagga tgatcgtcta 420
 tttagcttaa t 431

<210> 36200
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36200

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 aggtgaatgt tttcgtaacg ttacgaaact atacgaattt cataacgatg ctcgatgct 120
 ttctgtaatg ttacgaaacc ttacggatta cgtaatcatc cgttttttgc ctttcggaac 180
 gtcacacaac tttatggatt ggcactaac acttcctttt aatttctggc atgtcatgga 240
 acttcacgga ttgtgtacc atgttttctt tngacttccg gcatgtcacg gaacttcac 299

<210> 36201
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 36201

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 ttcgtaatat gttacattgg attatgatgt aaacatgttt ttatgttatg ttaaccta at 120
 tttttttgta gtgctggatc tatgagcatt ttttgagtat gcatcagttt gtcacgatg 180
 atgcgtatga ggagacgtcc cctcgtgcct cccggtggct gatgacgaag gctcatatga 240
 agggaattac aggagcgtcg taccgggcac attgtgattc tttaacgatc acaaacgtgt 300
 gttggttgcc ttacagtgc catcgagggg ttaggggatt tgagctgatt tcatcattcc 360
 aggggtcaact gagatggggc cctatgggtg tcacagtctg atcggaagg gtgctatgcc 420
 agtttggg 428

<210> 36202
 <211> 469
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36202

agcttaatga gtttcttggtg tggctctcttg attaaattga tgcattgttta aaaaagtatc 60
 atgtcccaga cgaaagtatt tctctattca gtgttttctg cagatatggn gaacgggatg 120
 actcanaatc cataatgaca gattgctcct cttcagtatc atctggtctg gactcagatt 180
 ggtgttggtta tatcaagttg agaatgaaag aaaaaggact aatcctatta gtagtcatca 240
 gatagatgaa ctatgttttg atgaatcggt gcgatttgag acattaaatc aagtagttga 300
 ggctgcgcca gattcctcta cccttgccaa aacctttgat tntgttatgt caaaagatgc 360
 tggagatcc agtgacttag canacgcaag tntgtccatg agtgagtttt cggtcanaag 420
 ccagcaccgg tgcgctacaa tgagaaacct tctggagtct cttatcaca 469

<210> 36203
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36203

tgaagagaat gcaagagaga ggataaggaa acctattatt ttaacatgga aagaaataaa 60
 ggagtttata aggaagatat tottaccacc ttattatgag aaatatgttt atgataggct 120
 acaaaacctc acaaaaggta gcaaaagtct tgaagaatac cataaagaga tgataatgac 180
 cattaggaaa gccaatgtac aagagcctaa aacttcata acaagggtcc tatgtgggct 240
 taataaagac attcgatgca ttgtgaagtt acaacactat aagagcttgg aggatatggt 300
 gcatcaagcc aagaaagtgg aaagacgact tgagaggaag cattcctaca agaagaccta 360
 tcaccatgac ttttcccggtg gtaaggacaa gtctaagaaa tagggatctt ccncacctgt 420
 aacat 425

<210> 36204
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36204

catgctagca ttgcaagaat ttcaaaggca tactagaatg gttttctagt cggctaagga 300
 gggtcttttag ctctattcca gagacctngg tggggctatc tctttttggg ggaacagatg 360
 atggattatg aagatcttct gatactcatt acgaataaga atattttaga aact 414

<210> 36207
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36207

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 gcccacatt atttccatga cacaaatgca aaaaatgatg atttggaac tttatgcaaa 120
 actgggtcatg catgcaccta tgccgacact caaatgtcaa atttttatgg tcatgtgatg 180
 ctagggtctca ggattcattt cctctatttt aatcaacca atgtttccaa aatatgttct 240
 tttatcaatt tgtgcattca tccgagtcca tttcgggcgt ctgggaaaat cttcacagca 300
 ttcacccttc aggtgtatac acattttttt caaaaactag ttatgatcag tgaatttttc 360
 caaagaanag ttggaagtca tctcttttca aaagcatgtt ggtttttcag tntgaaaact 420
 tatttttctt ttttctcctt cttctttt 448

<210> 36208
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36208

cttcattatt aagcttctaa cacacttcag acatcttctt aaagatccca accgtcagat 60
 cttggaaaat tggtttgcca aagtggagac ccaattttaa aaagaacca ccggttatgg 120
 aggggtggcc agtggtttta cccgaggaac ttcatggtac tttctctaaa agcctcatta 180
 gaagcctcct tagaaccttc tctagaagct tctcgtggct tctttgagaa gctttctcaa 240
 gaagctcttt gagaagctac atccttatct atccaccct ctattaacta aattaacttc 300
 ctttaaaata attacggatg aaaataacgc aacanataat caaacatcaa acataattac 360
 taataatata tagatatata tatcaggggtg ttacatggag catctcgata tgttacggga 420

ctcaactgga catncgtgta taaagtattg gn

452

<210> 36209
<211> 433
<212> DNA
<213> Glycine max

<400> 36209

tctagtctca attgtgaggg tctcgatata ttacccggtt cattcggaca tccaagtaaa 60
aagttattgt tggctgaatt tctatgagc ttcggttttc aatttgtagc gtctcgatat 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcatttcaat tttctcagag 180
cttcggatct aaattttgag cgtctcgata tatgacggga ctcaatcaga catccgagtc 240
aaaagttatt gtcgtttgaa tttgatacga gcttccgttt tcaatttgga gcatccctcg 300
ataaattaca acactctgtc gggcatccga gtaaaaagtt attgttggtt gaattttcta 360
acacgtttcg ttttcaattt ggagcgtctc gatatattac gggactcaac cggacatccg 420
tgtatacagt tat 433

<210> 36210
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36210

cacttgagga aagaggaana anatattcca atttcacgca nacgacacac cgcgagggag 60
gggggaagag acagaaggga caacaccccc cccgagcaga acaccgcaaa agaaaaaaag 120
agaggaacgg caaccgaaga cgcaaacaga caacgcaacc agaagcgagg gggaaggacg 180
acgaacgccg cgaaggcgga agaggcccgg aagcagagga gaagncgagc gcaacgaaaa 240
agggacacgc gagaaacgca gacggcgcgc aaacgaaaaa acaacgaaca cggagcgaca 300
caaaaaaac ggcgacaggg cgcgcaacac cggaggacgg cgccgaacga ggacgagagc 360
acagccagcc agcacggacg caagagacac ggaacgagga gacacggagc gaacagaaca 420
cc 422

<210> 36211
<211> 438

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36211

cgcggaagaa tgacacgata gtttcttccg gagagtgggt ggggggctna annccncaca 60
 nccggcgggg acattatagc acaaaatgat catttcgaaa ctttatgtca cactggacat 120
 gcatgcaccc atgcctacac tccgatgtct aatcttatag gtcatgcgac gcaatgcctc 180
 acgattcaca gccccatctt aaaccaaccc catgttatca aaatctgttc ttatatcaat 240
 ttgtgccttt atcctagtag cattagggcg tccgggaaaa tctcacagca ctaaccctcc 300
 acgggggtcac acactacttc catcaactac tcgtgaatcg cgatctttgc aaagaaacgc 360
 tcggcgctact ctcttttcta acacacagcc gcttctctga ccgaagacac atctttcact 420
 ctccccact ttactcat 438

<210> 36212
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36212

agcttctaaa ctntgacaag aatgaagctc tgataccact tgttagacaa gtggcctcag 60
 atatcttaag aagggggggg ttgaattaag atattcgaaa ctttntcttc taattaaaaa 120
 tctatcttac tttntactta agttatgaat tcccttanag acaatcttct tanatattaa 180
 ttcanatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tntatactgg gtcggccaca cccttggtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta acttggaat tccttntaca agttctaaac 360
 acacaaggac aacccttcct ttgtggtaga gattctnaca acaagagact cacagtctct 420
 taatccctta gagaatgaga agaagaagag gaacanatct ctcttgaaag agat 474

<210> 36213
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 36213
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 tctccaggta ccactctgtg gtcaacgaat aaaagcagga agtttcaccc ttctacactt 120
 cctcttttca agcttgtagg attatggggg acccatcaca tgtgggtacta ggtggcggtc 180
 gggcgatggg gcacaacaag tttttccaca tccacaaatc gcgcataaac ccaccatccc 240
 ctggttgccca cctccaactg agctcacgta gcccatatcc tcgtttctct caacaccgag 300
 tccccatcaa tcttccaag ctcccccaac atccaagtaa ttcaacattc aaacagcaca 360
 aactatcaca gccaaagaaa cagggcagaag gcagaaaact ctgcctaaaa caccaaccaa 420
 aatcacagct tttcccactt a 441

<210> 36214
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36214

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 ccctatattt tccttaggtc cttatggctt cttctttagt gattaaaaga agtgttttta 120
 aggtcggtac ctttcttcag tgcataaacc tctattttat tggattacaa gcatgatcat 180
 aatcgataca caagtgtttg tagctggtag agaagttttt tgtatcgatt taatctatta 240
 caagctaatt gtaatcgatt acatagttcg gntgagacaa tgggtgggtt tcaggagtct 300
 gctntaatcg attatcagat gatcatnnat cgatactttg ctcttttaaag tgtcccagaa 360
 gtgatcaata acacttttat cgattganat gattatatan tcgatcactt ctttttgaat 420
 atcgattaca ttgggatatt aaatcantat aggtgggtn 459

<210> 36215
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 36215
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 atattcaagt ggcaccacta ctttttgggt catcctttca tcaccttgac tgatcaccaa 120

agcttgaagg acttaatgac ccaagtcatt caaacacggg aacaacaagt ctatctttca 180
 aagctactcg ggtatgatta taccattcaa tataaatcag ggtcttccaa tatgggttgca 240
 aatgctttat taaggatacc ggcaacacgg accttgtaac tattactctc catccccaat 300
 tctcttttta tggaacaatt tcgtcaagca tgtcaggcga attcctcata tcaggaactt 360
 ttccaccaga tacatctgca ccccgaaagt caccacagct tcactattaa ataggacctc 420
 cttttcttca atgataagaa ttgggttctt tccagccatg atttcactaa tttactcatg 480
 gac 483

<210> 36216
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36216

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 tgtcggactg gcctgtagtc ttcttccatc attatcttgt gcatgcagta agcagggcta 120
 atacctttta gatccgatat atgccacca attgcttctt tgtgtttctt cagaatttct 180
 actaacttgt tttcttcatc ggatgtgagt gtattgctga tcaccataag cttactctca 240
 tcttcttcta ngaacacatg cttcagatgg gtgggaaata tcttcaattc taccttcttc 300
 ttcttagatg gagtcttgct ctttagttcc tcanaactgg cctcctctc anggatgtta 360
 tcttgctgat ccaagtcttc taagcaagcc ttgagatctt cttcttcttc attgggttaag 420
 caatctatcg cattcaccat 440

<210> 36217
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36217

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 cagccggtat taggcctcat gagctttctc atattcagct gcttactgga tttagcttgg 120
 gtggcttccc ttttagatac ttgggtgttc cctttttatc atctagatta aatgtatatc 180

actatgctcc cttgctttcc aagattactg gcctgattca gggatggagc aggaagtctt 240
 tatcttatgc aggtaagcta gagttgatca gagcagttat tcaaggaatt gtgaatttct 300
 ggatggggat ttttcctttg cctcaatctg ttctggaccg gatcaaggct tcatgccgta 360
 attntctgtg gggcaaagcg gatattggca aanacaagcc cttggttgct tggtcagtag 420
 tttgttctcc gaaaa 435

<210> 36218
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36218

acggggnaga tgccgtgcna ctgcgatgnt ctngangatc ttnaanagac cagcctgcat 60
 gcatgctagc tcattgtaac tcgacattaa acatcattat tgtttactaa gatgagactn 120
 cgaattgaga cgtgtaatgt gagtggttggg gcctattata ttcacaatac taattcctca 180
 aatttaaaaa atgatattac ttgtcgactt aagttatggt attatcgcta aacatctcaa 240
 ttacaatgtg tgagattaat cgaatgtgat ctcgctacttg tgatgtgcaa tatataatca 300
 catcttaaca attaagacac aattgaattg attaaatgcg aacatcagaa caaactacac 360
 taatcatcct tgagattcct gaaactacca tttttatcgg ctctctatct ctaactaatc 420
 ttgcttaatt gtgtgaaaaa tattacacgg agataaagct gctattgatg ttaaaaaata 480
 tgacgagtta tgtaatctcc aatgttttac aaatattagt gcaatcaagt aaaataaagt 540
 tgcaaattat tatcaatccn 560

<210> 36219
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 36219

taaagataaa ctaagaataa tgataaatat atgattagat attcgatcag tattattagc 60
 cttagctaatac agtttgtatt tgatagaata tattatcaga atataagata agatattcta 120
 tcattattct tagtttatct ttaagcttgt aatcctttat ataagctaata gatgcttaac 180

gaaaggggag agaaaaatat tttttccctc atcccttgag ctaggttttg gggttgagtt 240
 aggtctctca cattatacgt tagagcctta ggcctttct ttggctttcg cacataggcc 300
 ctagegccat tcagccctt tctttttctt ctccatcatc atgtctcact caaactctat 360
 ctttcacact gcttttggtg tctccaacat caataatcat atcccaatca ttcttgagat 420
 gaaaaatatc caatacgtga catggac 447

<210> 36220
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 36220

actttggcat atacaatgac tccagtttca accacattga ggctgctgtc ttttctcttg 60
 caacttctct taaagcttta tctccaaaga tataatgaat gcacttctgg ctttatcaat 120
 catctctgat ttctcctttg agcttagaga ttcagacata ctttcttctc ctttaagagc 180
 ttctgcacaa ccatgatgaa tcaagaatgc tttcatcgtg attctccata acccaacagc 240
 attttccctt gagaactctc tatatcgtac tatgtgtccc atctttcttg atctgacctt 300
 tcccacaacg acgccacttg tggcttagta t 331

<210> 36221
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36221

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 attgacgggt atcttctaaa aagaaggttt taagaagagt gaaaatgaag tcacttttga 120
 tgtgaagtga taaaaaaatg aagtgcact cattgtttct ttatatgttg atgatttatt 180
 ttttatatat agggatatcaa attccttaaa ccaaatcaag aatgatatat atgaagaaat 240
 ttgaaattat agatttggca aaaatgaaat ttggaatgga gatctcacta ctagaaaatt 300
 ggcgttttac gacacagaca ctacgacgat tattgnngaa cgccttana aagatgtgcg 360
 gtggcttttt tgtaattatt tgaacaatat taggatttta cgatattaaa ttttaagacgg 420
 ttattaaa 428

<210> 36222
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36222

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 tcggccattc agagcgttgc agagaaagag agaagggttg gatctacggt ctgacagagg 120
 aataattgtc agagagagag ggagaaagca ttgcggaaca acaagagtga ataggcagac 180
 ggaagtgaag aattagtgcc acgttggata gtccacgtga cactaanact accaacaatg 240
 cacctcatta atggtgttac ttacaaaatt aacagaatga ttatattgcc aaacttatgc 300
 aatgatta 308

<210> 36223
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36223

tgtcatactt tgtccaanaa agagaaaatc agtttttgcc tgtgtctgcg ccgggttaaa 60
 gtcctacaag gatactcttc aaatatgaag agccttgtgc agttgaagaa gcttaaccta 120
 gtgggggttaa agtctcatga ttgtcacatg ttgatgcaac aattgttagc cgtggccata 180
 cgagacattt tgctaataaa agtcagggtta gccataactc gcctgtgctt tttcttcaat 240
 gccatgtgta gcaaagtcct tgatcctgtc aagtttgatg acctggaaaa caaggctaca 300
 attatactgt gccagttgga gatgtatttt cctcctgctt tctttgacat catggtccac 360
 ttaattgttt aactggtcag agaaatcaaa tgttgtggtc ctgtatatct gtgctagatg 420
 taccg 427

<210> 36224
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36224

agcttatccc tccaattggt actgtcttat ggattctaata ccttctaga ggtggctaag 60
aatgttgact taagtttttc ttttgatcgt tctaccaatg cttgtcttta tttcattatg 120
actcatatga aggcgacaac cactgccttg ggtgcagaac acaatgtctt tcttctatatt 180
cgggttctgta agtattgtat atgttcttct tcaaagggtta ttgtttttga atatcccccc 240
catgtcactc tactcaaata ggatgaccct aaagccatat gagtgcattt cttggtgtct 300
ctctacagat ctattttttt cctcttagac agaataagga ctaagcataa tcattaatat 360
ctattatcct atgtttgcga ctgagcaacc aatatcaact anatcacttg atcatcatgc 420
taaacacctt actgtagggt aatctcttcg gatc 454

<210> 36225

<211> 423

<212> DNA

<213> Glycine max

<400> 36225

tgtagcagcg gatttctttc ttctcttcac attcttatga attctcagta gtgtccagat 60
tctcattttt cggttactca acgtgcgttc acataaatgc accatgcaag tggttgtgaa 120
cggctcttcag tatttataat ggcacaccaa tgctttcatg ccaattgcaa aatcatggaa 180
atattttttt taaatatggt tggctctcta aaatttgaaa aatatatggt aacctctata 240
aaagtaaaac atattttttgc tgattcttat ttgtaacttt gttagacaat tttctattat 300
attgactaac acatttaggt attttctctc tctacatcct caaacacatt cacatgatat 360
caaaattcat cattgtttca ttttttctct aatctcatta aaaagtgcga aaaatttaac 420
tat 423

<210> 36226

<211> 216

<212> DNA

<213> Glycine max

<400> 36226

tatgccgtaa caaacctaa ctactttgga gctactccct gattaaatgc tttgatgttt 60
gaacttattt gaagtttggt aagtatcgac taagcataga atctggacac agtcactact 120

ccacagttgg gcgtttgctt gcaattgaca ctggtggcct ttgtacctca gaggaagcat 180
 aaaatggatg agcgttcata agaaacaaat tgtctt 216

<210> 36227
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 36227

tcattgagaa gcaagtgtta caccctccca atagctaagc tcacccttat gccaaaatac 60
 atgaaggaag aaagcttcct tgagaagctt tcttgggaag caagtgttac accctccaa 120
 tagctaagct tagcccatg ggaacacatg cccctccaat agctaagctc ccccccccc 180
 gccccccaca ccaaaatata taaaaatata aaaaaaaaaa tcctactaca aagactacta 240
 ataatgccct aaaatataag gctaaaacc tatactacta gggtagcctt aacttgtacc 300
 ctttaattgt aggtaccct acaaacctaa aatggccaaa atacaaggcc caaagaagg 360
 aaaatctatt ctaatatata caaagaaaag tgggttcata cttaacctat gggcccaaaa 420
 tctaccc 427

<210> 36228
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36228

aaaccatgga aggcaaaatt ggattggatt atggcagata taaaattagt taaacaaacc 60
 tgccaattag gggttntgag gatttttgca aattcctccc ttgtttctgg atcaaggcca 120
 tacttgacta taggatcaga tatttgctga cttcattgt cagcaaagac aaattttgaa 180
 gtcaatgaag acttaaatng cctccatctt gctgcaactg ttgacatcac cttctttttt 240
 gcattctcac cttcagggat atcaaatntg cgtgcataa canaagggtgt tatgtaacag 300
 taggtaaatg aatcctttan aagtaactta acaacaaaat caagaatgga agtgtattta 360
 gaatgactta ccanaatatc tttccatatt aagctcttta gatcgtcngn gacaacat 418

<210> 36229
 <211> 446

<212> DNA
<213> Glycine max

<400> 36229

taaccaattc aggataaata ggcaattgta atgacataaa atgattatga cctaagttct 60
gaaaggcttg aatgcaatca aaggtttcat cagaaaagaa ttccatatca ataaacttag 120
ggtcgataat ggaacgagat gagaaaagat tggagtaccg tttctgctgt tcgtcggaag 180
aaaacaatgg ggaagaggac aatgaggatg gaattggtgc tgtggatgcg ctagtggctc 240
cggaacgatg agcacttgaa gccgaagcgg aggcggaaga accctttcgt ttctttgacg 300
attctgccat ttgaaggagt ctttgcagat ttcaatcggg gaaatcaaaa gaaaaatgaa 360
aaagaagaag attgcaatth acgggagttg atttgatgaa gaaattagta agatacgaag 420
gtttggaggt ttgggaatgg aggaac 446

<210> 36230
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36230

caagcttggt ccattttcct gactcaccat anaccttgac ccaggggtgag aatgccaatc 60
cttaccctcg gaagcanaca ataggagaga gagagagaga gatgagaagg agaatttccg 120
atcaaaggat aaaggagaag gataatttcc aatcaaagga taaaggaaag gaaattccca 180
atcaaagagt gggggaaaagc acaaagataa gaatgagaat tcccaatcaa agaatgggag 240
agagaacaaa agagagatgt aaaaaagaag atatctcctg gtcagagata ccagatgata 300
tgtgccgaga ggtccttgga ccagacaata tctgaacaat acagaattgt caccaaata 360
a 361

<210> 36231
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36231

ntctccacta agtagcctga tgcctgaaat gtcttttctg attgtgtggt cctagatgca 60

gggaagattt tctccaagaa caccctctta aggtcatccc agctgaaaac ggacctggga 120
gcaaggtagt atatccaatc ttttgtcact ccctccagag aatgaggaaa agccttttaga 180
aagatatgat cttcttggac atcaaggggc ttcattggtg aacaaaaaat atggaactcc 240
ttaagatgct tatgaggatc ttcacctgca agaccatgaa actttggcag caaatgtatt 300
actccagtct tgagaacata tgaaacaccc tcattcatgat attgaatgca caagctttca 360
taagtgaaat caggtgtagc catctcccta agagtcctct tacgaggtgg aggttgagcc 420
atgttctcag tatgaaaa 438

<210> 36232
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36232

ngatcttttt gtaacgacac gcacacgcaa agggagagag aagcaaagag cagaccccc 60
acagcngcca cncggaacna gacacatact cccctatgg gcaacagcaa gaaatgcggc 120
gcgacacaaga acgagaacca ccatccaaca gagagggact cggcagacct cgaccatcca 180
acgctcagaa cgcgacgggc gaagtagaca ctccgacct gaacctgat aagaccacaa 240
acagccgggg cacacagaac aaaacagtcg acacgaggca caaccacgac cgcggaccaa 300
cgtgaaaaca agccggacca aaaagcagca gcgacgaaac accgcgcggc aggaaactaa 360
aggagggacc cgcaaacact agcctgatag agaccagacc agcagaagca tggcacagac 420
acgcgggaag ccccg 435

<210> 36233
<211> 314
<212> DNA
<213> Glycine max
<400> 36233

ggagtgtctc gggcgagggc agagaaccag aagagactct ctcttcatga cacggtggag 60
caacacgacc gatggggcgc tttatagcgc aacatacatc ttctaaattc atcacgaaat 120
gagaccgcca ataacacagc gacacccgag tgtgaagact aatattgccc tagaccatgc 180

<210> 36236
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36236

gtcgtcttcg caagacacag acgatggcgt catgtatatg ggccatagcc ctagatcacc 60
gctgtacaga cagagccaac aacactacaa tacagcatgc ggtggctcat gtctaagcgg 120
aacaagaggc cacatgaaag atcatgaact catttcacat gatgcgacca tgctgacgga 180
gcggtctgtc tcacctgat ctggacttga gatcttcacg attgcgtcta acggacacga 240
gacgcnaaca gcgattttctc acaatataga ttctggaccc ccgctattga acgtttggtc 300
actcacgcg cactgaagta catcaagatg ctgaaaggca tacgaatgat agatgaccta 360
cctaattgta atcaatagac cctgggttacc aaagaactga caatgacg 408

<210> 36237
<211> 195
<212> DNA
<213> Glycine max

<400> 36237

tgagctctat cacctgcact gtgctctctg atttcagaca catatcctgt ctgacctctg 60
cctgacgagc agcctgtctt catctacgtc actcgcccta tcgaccacca catggctggc 120
tgcggggccac tctaattgtat ttccatcaaa ccgtgccagc aatcgcgggc tgacaccaat 180
atcttgaatg accat 195

<210> 36238
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36238

agcttctggt gtgacatctt gacttgcttc ccaatctgac attcaccaca gattctgcct 60
ttntctatct tcagattgag aatgcctcta acagcacctt tgtcaatgat tntcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
 gtgaagttta cattgaatcc ttcacacac aactgactga tgctgatcaa gtntgcagtc 360
 agtcccttca ccagcagtac tttgttcaga ctangaagtc catcatggac tagctntccc 420
 attccagtga tctt 434

<210> 36239
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36239

ttgagccaaa atcttgactc accatagacc ttgaccagc gttataatgt caatccttac 60
 cctcgaaagc aaaaaagaaa agaaggaaaa tttccaatca aagagaaagc aaaaagaaaa 120
 gagggaaaat ttacaatcaa agagaaagca aaaagaaaag aaaattccca atcaaagaat 180
 gggagaaagt aaaaaaggaa gaagaagaag gaaagaaatc tcctgatcaa ggatcgaaag 240
 aaaacagaag aaatgtgcag aaaggtcttt ggaccggaca atatctgaac aatacagaat 300
 tgtcaccaaa ggaacgaaaa gaaggaaagg aaaccatgac ctanagtggg catctccctt 360
 taattgccaa ccaaaatctt gtgtgctagc gactttttcg ccccgacta naccaaaaca 420
 gttaaaggaaa taatccataa aagggcataa aaaaagaa 458

<210> 36240
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36240

agcttgatg atgcttcatt ggaggaaaag aaagagggag ataaagatag aggtgggagc 60
 acgaaattga aggaataana gagggagaga agtggaactt tgatgaatga gagtgatgca 120
 agctccattg gagcttgat gcctangatc ttcttcatca gtggattcct ttgcttcttg 180
 gaagataaat ggccgaggaa tggagaagga agagagagag gagacgccgc ttcaatgaga 240
 agataagtct agaagaagct caccaccata cgaggccatg gataagagct tggaggacga 300

ccgaaccaga ccgaa

495

<210> 36243
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36243

ttagatactc agcttgatgt cttcaaacac aatatgtaga cctaaatgaa gatatacttg 60
cattgnnttat gtaattgtat gcattatgcg atataatttg ttgtaaccca ttactaacca 120
attaatatta tcaagtactc gtttgggttaa gcaaggaaat tgttgggtcca acaaaaatca 180
tttacacgtg cagcatacat cattgtcata attgacaaca cataatgaca tgcattgctga 240
ttacagtttg agcgcgacaa cacattggct gacttgacta cacattggcg acaatacatt 300
ggttgacttg actacacatt tacgcgtgct tatttttatg taaacaaagt taaacaaatg 360
ctcgggtcaca accatctata tatatggcag actacgctac taaatcacat attatctagc 420
tttcaaataa tc 432

<210> 36244
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36244

acccatataa tngctaagct caccgcgtgc caaaatacat gaaaatataa aaaaagtacc 60
tactacaaag actacttata atgccctgat atacaaggct aanatcctat actactagaa 120
tggccaaaat acaatgcca taagaaagac naacctattc taatgtttac aaagaaaagt 180
ggaccaacc ttggcccatg ggctcagaaa tctatcctga gggttcattgaa gacccaggg 240
ccttcttttag caactctagc ccaatcctcc tggagtcttc tatccaatac cgcttggggg 300
taggatngca tcatccctc caccttgnnn aaggatttac ctcanatccc gaggttttca 360
tactctcaat ccttctcac acct 384

<210> 36245
<211> 429

<212> DNA
<213> Glycine max

<400> 36245

ttgcatgttt agaaagttct aaagagagaa aggtccatgt ttcattgagt tctaagagat 60
tttgctatgt gaagatctgc agagacgaga gctcgaagcg gaagctgttc tgagagcttg 120
agatgagttt gtgagtgatt gtgagatcct agagggtgaag gagacatcct caccacttgt 180
atTTTTgcaa tctttcatct tattcttctc tatgttgtaa aggaggtttc cagactatgg 240
aaagctaaat cctctgttgg atcttcctta taggtacttg atgtaaatat atttctatct 300
atgtaatgat gttttgtgca ttctctgtgc tatctgcttt tcattccagt atgcctttac 360
cttgatcacg tagatgcatg ctttgttagg gtcattcaac agggaaactg gtttgattct 420
aaagtcctt 429

<210> 36246
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36246

agctttgatt aaaacaatta tctaatacatt acaatgcatt caaattatac aatagctcat 60
tcaaatacatt cgtagacact catttcatac aaaacaatcc actgcatatc attttcaacc 120
aattcactgt tcaagcaagc tttttgtaca agcaatcaac tcaaagtact gaaatttaaa 180
gaactaaaac atanacacta naattttaa atgaatgaac caatcataaa ataaatgaaa 240
ataactaana tgttcanaat gcacaaattt aaatgtcctg ctctgtggt tgctcatgtg 300
catgctcatt gagatccaac acctgagtag ctggtgaatc ctgagggata ggctgctcta 360
gctcagatgc tagtgcanat ggtatgacat catcangtat ggggtactgag gatggctctg 420
ggatctgggc tctggaagtc 440

<210> 36247
<211> 425
<212> DNA
<213> Glycine max

<400> 36247

tgaataccct gtatctaacc tttattcaat cttgttcctt ttagaccaag gatttcagta 60
acctcattgg agaagaaacc taacttccca atgggtcagt gttcaatggt agtatgatca 120
gttaagcctg ttctctgata acttaaatac atctccagct caaattgatg aaaaaccaag 180
catgacaaaag accatagaca ttaagggggg aaaacagaaa aggctgagaa gttaaact 240
actgcaacaa agagcattgg cagttacagg tatgggatgg atagtccaaa caatagcaga 300
ctatagtata attggctttt ctaactagct caatctctct cattttgaag atattaagct 360
aggggaattca ataccaaaaa tatttcagtg tccagtgaat agacattttc tottaacaca 420
tcatg 425

<210> 36248
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36248

agttatcata acttcggana canaactnnn gggcgctgcg agtggaaatn ctatagagaa 60
caaacgcgtg ctatcttttc ttcttctctc ctcttgccaa aagattaaaa tgactaaccg 120
cctgagaatt ctgttgattc ttcttctctc ctcttgccag aagaattcca ggactaaccg 180
tctgagaatt cttttgattc ttcttctctc ctttgaacaa aagatttcaa aggactaacc 240
gcctgagata tcttttgttg ccattacaa agattcaagg gactaaccgc ctaagaattc 300
tttgtcttaa cacattggag cgtacatcct ttgctgtaca agtagagcgt acatctactt 360
ngtttgtaat acagagaata agagacggta catctcttgt ggtcagttca agggagtgc 420
atccactggg ttcaagagac 440

<210> 36249
<211> 421
<212> DNA
<213> Glycine max
<400> 36249

gtcatcaaga agtactacgc ccacaggcag gcgcatggcg taacaccaca acagcctggg 60
gatggccagc aacatgcaac aaatgcaccg tcgccacctc cagagcccct cagctcatcc 120
ataaaaaggt tagagtattg cctacgacac atggccgacc aataggcgac caagtccaaa 180

gccaaaggta agcaaagtac taggtccgtg accgacaagt catcaggcgt ccagctcaag 240
acgttaaaga agcgctacta ggaggcaacc ttgtaacttt taaatttctg cttgttattt 300
gatcaccttt tgtttctcaa gtcatagtag gacacaccta gttgctcatg atcctaggaa 360
tttaaataaa acgagcacaa gtcggggagg tagtcatacc tcacaaaata tatatatgta 420
t 421

<210> 36250
<211> 526
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36250

aaaanattgt aggtacgtan ctcgggcgaa ttcagctcgn accccgagga tctntagaag 60
cgaactggca gcgtgccagc tcttctatan tattctatat gtgcccggaa nggcccacga 120
tgngggttca gcgcatttat tctcggtttg gttacctttt ataccccctc ttgacgtgcc 180
taagccgggt tacctaagac gggttctgcc taacctaaaa ataaaataaa tttccacccg 240
accgttgga tggttattcc attacctcg gttaaattaa attccaaccg tccggcgggg 300
ccggaccacc gttggaatta aaaaaagaag gtgaaaatta tattattatt caaaaatatt 360
cttttttagta aattaaagcg gaaaatcaat cgggacgttt ctcttttggg attctcattc 420
ttaatcgaga tgataataac taggtgagac tanggctaaa tcaactcgta gtcagctcgt 480
cacaaaaatt gctnttgagg ttgcatttca tttctactaa gttaaag 526

<210> 36251
<211> 445
<212> DNA
<213> Glycine max
<400> 36251

ctggcattgg aattgcgaaa gcccactcc atcattagga ttatttcttg acatctcaaa 60
caaacaatc aaacgtaaca tgacaattat agttgctggt tgaatacctc acccactcaa 120
gtgtatcaca caattatggc ttttctctaa tgaaacactc ttgcctttta ccactctaat 180
tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac aattcaccaa 240

<210> 36254
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36254

ggctggcatt ttttgtacat ttaaaaaatt ggattccagg cacataaaga agaatatgag 60
 aaggtgaaat caattcgaaa ataagagaca ttaaaaaatg gatttcaaga acataaacia 120
 taatcaatat gagaacatga aatcagttga ctctacaacc cctcttttca atttgcaaca 180
 cttecaaaaat ctctatttt gattatcagt cgtgtttgca atgtaaaggc taagggtggg 240
 taagcgggct ggcccacccc atgtaaggcc cgcccacata agcctgcatt ggcagcggac 300
 tgggccaatc cgccccgct tcttacacgg accanataaa ttggccatcc ctgccccgcg 360
 gaccccgca gtcanacggg ccggtccgcg ggcctagctn tanagaatnt caantttaat 420
 aaaaatacaa tataatcaaa ttanattcaa taaaaat 457

<210> 36255
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 36255

taagaggcca tggagattga gatggagaca gacacgtgtg gtttatagat ttcacctgta 60
 ttagttttct caaacattat ctttgcccc aattacatga ttagatagcc ttgtgacaat 120
 caagggagta ccattacata aaccttcaat ttgatctaaa ttccttaaaa gcatcattgg 180
 tgtgccaatc ttcaatttga ttttatgatt tggaaggccg atgttccaag agaatttgaa 240
 aattcaaggg ttaaagcctc gaatatttgg tcttcatttg attataaatt gtcaaaagaa 300
 tctaagctta gatattgttt ttcaactata acataattgt aaacaattta actaatttga 360
 ttgtttcaaa tgaaagatat ttgtgtaact ttttcaaag gtagatgaga ttacatcgat 420
 ttaaagataa tacatatcc 439

<210> 36256
 <211> 179
 <212> DNA
 <213> Glycine max

aaggaaacca tacagtgtcc ataacctaata cttgtgttca atcattcata aactattcaa 360
acatttgcac aaatttgtaa tggttattgt acgacattaa tatcagtaac agattagcac 420
tctaaccaat tactacatcg accacatgag atggtatgtt caacattgcc ct 472

<210> 36259
<211> 451
<212> DNA
<213> Glycine max

<400> 36259

gattgcctta agagcaaaaa agagagaagt gaacttcttc tctgcgtttt ttctggaaaa 60
tgcatgaat tcgctaagcg tgcattgttc attaagcgag ttcattcaata ttgcttgaat 120
atatgcattt tcagacgaac tcgctaagcg cgcctacgac gctaagcgag ttcattcttt 180
gtggatgaac attcatctcc ctgatgagtt gactgtggct aagcggggct gattcactaa 240
ggccaggtaa cttagtcaaa tttttgttga acgctgcgag ctaagcccaa cctattctagg 300
ctaagctcat tgcattgcgg cagccattgt gctaagcgag cctagcttgc taagcccaca 360
tacttagtga aattttctaaa atttatgggc ccgctaagcg cagccttgct aagcttagcg 420
catattctgtt gcggctatca ttaggcttag c 451

<210> 36260
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36260

agctnatagc caattcanac gacanataac ttttacgaga atgtctgatt gactcctgta 60
atataacgag acgctcgaaa ttgaatgttg aacctctgag ccaattcaaa cgacaataac 120
cttttacacg gatgtctgat tgagtcctgt catatatcga gacgctcgaa attgaaagtt 180
gaatctctga gccaatccaa acgacaataa ctntntactc ggatgtctga ttgagtcctg 240
taatataacg agacgctcaa aattgaatgt tgaagctctg agccaattca aacgacaata 300
actntntaca cggatgtctg attgagaccc gcataatcg a 341

<210> 36261
<211> 466

<212> DNA
 <213> Glycine max
 <400> 36261

taaatattca atttcgagcg tctcgatata ttacgagtct cattcaaaca tccgagaaaa 60
 aagttattgt cgtttgaatt tgctcagagg ttcaacattc aatttcgagc gtctcgttat 120
 attacaggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tatgacagga cgcaatcaga catccgtgta 240
 aaaagttatt gtcgtttgaa ttagctcaga ggttctacat tcaatttcga gcgtctcatt 300
 atattacagg actcaatgag acatctgact aaaacgttat tgcgtttga attggctcag 360
 agcttcaaca ttcaatttcg agcgtctcga tatatgacat gactcaatca gacatccgag 420
 taataagtta ttgctgtttg aattggctca gaggttcaac attcaa 466

<210> 36262
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36262

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 aaagatgtcc agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gngagagaag atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg anagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga 360
 tgaactcatt ggttcccttc aaacctttga gctaggactc tcggata 407

<210> 36263
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36263

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gcacttctct ctctctcgaa attgotcaag aaaattatct ccggaagaa aatccaagcc 120
gagggcgcttc cgtaacgttt ccatgagtaa ttacgtgaag attctcgacc gttcttcaag 180
attcatcggt cggtcttcgt tttcttcagt cttcaacggg taagtacctc aaaccaaact 240
tttcaattta ttctatgtac ccggtggtggc ccacattatg tttcgtgtat ttttattctt 300
gttttcattt gctttttata cacccttttg acgtgcttaa gccatttatt taattcattt 360
ctcgcttaat ctaaaaataa aataaattcc caccgatcat ttaaattgta tcatccgtta 420
attccgaccg ttcggccgtg ccgtaaccac gttggaaatc aa 462

<210> 36264
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36264

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ctacatgtgt atgtgtctga ccttacaatc accgccacaa atccattttc ataagcaacg 180
gatcaagccc atcgcagaac atcctcttgg ctgtcaaaca cctacaaacc aatccacata 240
atttcagctt cctacgacat attcattcta ttaaatact cactgcatg aacattatta 300
cctgagaagt attgaacaca tctgaacaat caacatgtgg ttcaattaca ccacattctt 360
cttcattgtc ataatacata tccattgttg catgcattat accttcatat atccactgat 420
cctggtctat cttaacaata aata 444

<210> 36265
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36265

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tcgggtgtag aacagttgga gaggatgcaa cgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttccactgt cattcattga ccagatgctt gaaagcctgg caggtaaattc 240
 tcactactgt ttccttgatg gtttttctgg ttatatgcaa atcactattg cttctgagga 300
 tcaggaaaag accacattca ctttccccctt cggcactttt gcctatagga ggatgccttt 360
 cgacttgatg aatgcccctg gtaccttcca gcagtgcattg attatgtatt ttagtgattt 420
 ttttagaaaat tgcatagagg tgttcattga tgatttcact a 461

<210> 36266
 <211> 661
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36266

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 ncntnggggn ggagcaagcc tccgttctgt ctcttgagca ttaattcncc taaagtagga 180
 tgcgtagccc ctccccctac tctctntct tctgttgca cctcgcgcatt gcattctcac 240
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 ccagccctcn cattagatag ctcctacaa gtagagcctt cccatcatag tgcgtactca 360
 gaagcacaga gaagccttca gagtagaggt gcattcttta nnacactcac attagatatt 420
 ttatatcttt tacccttcta cttcccagtt gctaggtact atcagttatc tctcccatag 480
 tatctccctc accatgtact tgttctacaa tgcttggttaa ccatgaattc tcttagaagt 540
 attccaccct atntaaagct tgctattaaa nagcctagac ttcgatnact ataatgggtcc 600
 aaagtatctt gctcttggtta cttgaacaca tgaatagtgt agagtttacg ttcctttgac 660
 g 661

<210> 36267
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 36267

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 tttctcaaga aagctttctca aggaagctac ctagtctata aatagaagca tgtgtaacac 180
 ttgttgtaac tttgatgaat gagagtcttg tgagacacaa ctcaaagttc aactttctctc 240
 cctttttctt ccttcaattt cgtgctcccc actctctctt tctctccctc tttcttttcc 300
 tccattgaag catcctctcc aagctttctta tccaaggctc atcttggtgg tgaagctcct 360
 tcttccatgg cttattccct agtggatggc gcctcctctc acctattctg ctttgtcttc 420
 cgctgcat 428

<210> 36268
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 36268
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 gcttgacaag aaacttatgg aggagaagac caagcgtgga catgaggaac atcagtttac 120
 tgaaaaccca aactcaaca tcgaccctcc atcccctatg gcaagacact tgaagtggaa 180
 gatcgcacgc acaaagagtt atgaccaa atgacgtctgaa gcggcacaag aaattgtaga 240
 caaaattgtg agttcatgtc ttctttgggt actgtcattg ccaaataatg gttagccaac 300
 atagtcaa at 310

<210> 36269
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36269

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 tttaaattca tgccatgatc acatatttat agccatttga tggctcctga agaagccatg 180
 ttaaaagttg tgacttttgg caatttcttc aaaaccagtt agttacttta aaaagttgtg 240
 acttgacaat tttttcaaaa ccagtcactt taaaagttgt gactcttgac aatttcttca 300
 aaatcagtca ctggtaatcg attaccataa tgggtgaatc gattacacag tttattttat 360

caaaagttgt gactcttcat gttgaggttt gaaatccaac gctcaaaaac cattagtaat 420
ctattacaaa tat 433

<210> 36270
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36270

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tacatttttt tatttctgct ttactttagg ttaagttata gtttctgttc ttactttct 180
tataacttag tagtaaagcc taattgaatc tagtaacatt aagaaagata aaattttaat 240
tagtcaagac acgttcataa ttaattcaac cccctcttc ttaattatc tgaggccact 300
cgatccaaca tgatctnnta tttggagaan nnattatgtg ttgtatttgc aacttgcaag 360
gtactgcttt gtaaactcagt tngaanagaa tattggctac tggtaatntg atactgcct 420
ctggtaattg attacc 436

<210> 36271
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36271

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accaaattcc tgatagaagc ccatttaagg cctctaccca gccccctaat gttataggac 120
aagatattca tctctgaata tatctgttcc ccatctttaa agcttcttcc ctgtcccgag 180
actccatagc tgagaaagag tgtatacctt cagaatctga tacatgggtc aggcccatgg 240
actgcgcaag aaccattgc tggttggcct cttcgcagtc ttcaaactga tttccttctt 300
tgtaatatgt cccctcaaca acctgtaact tagtagtatt tgggccttca gaagaagcat 360
catataaacc acccataatc ttatcctcct tggagctatt agcttggtca gggtccagct 420
ca 422

<210> 36272
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36272

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cctcaatcaa gtctttggag ccctgaaggc caattatctt taaattcaca agattctgtg 120
acaagaaaga tgcatacatg tggtcagaaa cgggtgaaatt cataatcatg agccttaaca 180
aaaagagaaa cctgagcata catagaagca caatatccaa ggtgtggctc atgtgaatga 240
gtttcacttg aggctgtgca ggactagtta caacttacta ctctctcatg tatctntaca 300
agttgaatga aaaatatagt acgtattcat acctg 335

<210> 36273
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36273

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aaacttgagt gttgttcaca cgtcaattca tcattaacat ccttgtccaa tgtctcaaaa 120
aaagaaacaa tccatattgc accaactaaa tcaacaatgc agataacatc gattgttcac 180
acgacaatga atcattacgt cctctattga agtgtaagtt atttattaaa agctctcata 240
gaaaaaaatg ggttatttaa aaaacataaa aaaatcacat ttttaagggtg tattttttcaa 300
aaaatcacaa cgaaattgta tttttgtatg gtatttctag aaactacata acgaaaatga 360
aactttgttg tgtaattntg aaaaaatata ctacaaaaac ttgttntcat tntgtttttt 420
ttcttcaacg 430

<210> 36274
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36274

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 cacaccatct tcctaggttt tggatactat ggtttcgaaa gcggagaggt tttcggattt 180
 gttgagcaaa tntgcgcaga gttccaagga ggtagatgt tntgggtntg tatttgtgat 240
 cagagaaagg atgttttagg tgtgggtcgt tgtttgatgg tgggtggtgca tggagaggtt 300
 gc 302

<210> 36275

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36275

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 tgctttgttt atgtaataca taacaataaaa aataagcagc tttgtctatg tcatatatgt 180
 aaaataaatt aataataaaa tttctattag tacctataac aagtgtggcg ttcctcatga 240
 tttttataat tatgatttga tgtatagaat ttcatatata gaatggttat gaaaataata 300
 tacatggaga gaaagtaatt ttaattgaat ataattagaa taaattatta aaatattaga 360
 catatatact tggtttcaaa tttattttta aaataaaata attggtatnt atatacacac 420
 atgtacgtgc accagaaaca aattaatat 449

<210> 36276

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36276

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 gaaaggagaa acacatgttg tgactacat tcctacatgg ctaaatttcc cattagccca 120
 acaatatcaa tactcagcca atatcagtc ttctcattac ccaccacct aacagccaag 180

aatgcccaat catccataaa ggccaccnc aaatcggcca caaaatccac ccgatgcaca 240
 cccaagacca aacaccaccc ctaataccaa tcaaaacacc aaccagggaa ggaattttct 300
 agaaaagaag cctatagaat tcacccaat tccaatacca tatgctgact tactccccta 360
 tctgctcgat aatgcaat 378

<210> 36277
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36277

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 ttaatgtaaa atatttatgc acatgcgtat gtgtagaata tcctactatt tatgtcaacg 120
 tacaaggaca tccaacacat tctaattgcc atacatatat atgcatttga aaagaacaca 180
 cattctcatg ctcaaggcat tgcgtcaaaa ttacaccta atcacaacct aaacatttgc 240
 tatcacaac tacctacaca tatttgaaac atatatcata caaactttta ttgtttcact 300
 cacatttatt tatatgcatg ttggaaagct aattacgtca tgcacacact tgcattcaaa 360
 agggaattcc atgccatcat atattcattt aggaagcgac ctcaatattc atttaggaag 420
 atactcgttc acactntgca aggaattt 448

<210> 36278
 <211> 249
 <212> DNA
 <213> Glycine max
 <400> 36278

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 tgttggttg catcaaataa ctttcccca aaagctatgg ttgcctcaat gtttttactt 120
 gcggaaatga atattgcaat gcaagactca ttggaatcgc aacacagtat atcaaaactc 180
 tatgtccaaa tccttctcaa ggaatatggg gatgtctctt ttgagtcac accagccaag 240
 gatcaacaa 249

<210> 36279
 <211> 441

ttgggctaaa aaacgctggg gcaacctatc aacgggctat ggtggctttg ttccacgaca 420
 tgatgcaccg agagatcgaa gtct 444

<210> 36282
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36282

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 ccggatttat gttttttatg ggtgattgtg tttttacatg gagttctaag aagcaagcca 120
 ttgtgacact ttctacttgt gaagccgagt atgtagctgc aacttcttgc acatgtcatg 180
 caatttggct aagaagatng ttgaaggaac ttcacttggt gcanaaggaa aacacaaaga 240
 tctatgttga taatagatct gcacaagagc ttgccaagaa tccggtgttc catgaacgaa 300
 gtaagcatat agatacaagg tatcatttca ttagagagtg cattgccaag aaagaagtag 360
 aattgactca tgtgaagact caagatcaag ttgtggatat tntcaccaag cctctc 416

<210> 36283
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36283

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 cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat attaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gggttttggt 180
 tcattggaca acttgttttg ttggctatgc ttcattgatg attttgggcc atacttgatg 240
 tacattgtat attggttaaa tgttgggctt aatccggatt ttggttggtg acttgaagag 300
 ggcaaataaa gcagcgctta gcttaattaa tttctaatta ggaaacttcg caattttatt 360
 ttatgttggt caatgtttat ttcgttctgg gccaaagtat tggaatatgg cccagtgact 420
 ctgagtgact ctttat 436

<210> 36284

<211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36284

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 cccggaatgg gtttaggcaa agacaacggc ggcataacta gcttgataaa tgccanagga 120
 aatcgtgaga agtatggttt aagctataag cccactcagg cggatatgaa gagaagcatc 180
 gcgggaagga agagcgggtg tcaaagctcg tgttgagagac aagaaagtga aggaagcccg 240
 ccctgccaca taagtagaag ctttataagc gcgggtctgg gagacaaagg tcaagtggtc 300
 gtgatatgcg aagatgatgt tccgagtaca ttggaattgg tacgaccatg cctcctgat 360
 ttccagttgg gatattggcg agtggaggaa cgcnnctgca tttacgcaac gagcataatg 420
 tanaccctta cggttntaaa agctctatag t 451

<210> 36285
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36285

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 gtagattggc acttttgtca tactgaagat cctatttaga gacatcaata ctaattgtca 120
 attcaaata tcaaccagta gggttttttt accaaattat ttagaggctg tttgataagt 180
 ttcttttatt acaagtttga ctcataggaa ttgtatgctc taccttgaag aggagtgcta 240
 gggacatgaa tgcgcaaaca aggtgattgg aagcactagt gaggagtgca gattgcattt 300
 tttttgtaac cctgtgaaaa agggtaaagg gagactaaga agtacacgat gaaattatta 360
 agaggggatga atggagggaa acacaacaat aggtggaagt gctgggtggg agctttaacg 420
 tcgacaattt ggcagcatat gaataagatc cttttctca 459

<210> 36286
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36286

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atagaacaca agaacatgat taattagaga aatatcctca tatgcattaa cttgttttgtt 120
agaaagaccc aatacttttt acctattgct gtcaactttt acttacttgc atttatttgtt 180
ntgaccatag aattagttta tttatgttct taactatcaa ttatcaatgt ttgctccaaa 240
tttcagggca tcataagctc gtttagagag aagattgtct cttacgcgct tagtgcaaga 300
atgggtgctaa gccaaatntc acttgtgcta agtgcgaaaa tggcgctaag cgcaccttcg 360
cgggacaaaa ggcccccttta agcctgaatt gtagagaatg aaagagaggt ctgagtagac 420
tatgtgagcc tagtgttgaa cgaagaac 448
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<210> 36287
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36287

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agaaaaatgt ggcatttacc tgagggtgaaa aacaagagca agcctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttaagctag 180
aatgtgatgc ctctggagtg ggaggttagag ttgtatttgtt acaagggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc cctcaaactt gggaacattt ccttggtngc aaggaatntg 360
tcattcatag tgatcaccaa tcaactaagt acattagagg gaaaagcaag ttaaacaaaa 420
ggcatgcaaa atgggtagag tacctagagc aatctccata t 461
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<210> 36288
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36288

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angtttgcct attaccagtc aactctcagt tgttnttggt gttttgtaag gaccaatctc 180
tatgatgtcc cacaagaan aaaacatctt gtgattccaa gaacaacatc attctacctt 240
tatagtagta aaattcttgt acatcatagc ctcaaggcca gttgggtgaa gccccttcag 300
gtatgactat agttggaact tgttcaaaat cgttctctca cgctatcang tatgnttaac 360
cctnaaagat atgctttgat accaattgaa atgacaaana taccataaga aggggggttg 420
ttgtgtcttc ac 432

<210> 36289
<211> 426
<212> DNA
<213> Glycine max

<400> 36289
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gcaattccgt acagccataa ctgaggctga tgaagctaag cgccagtcac ggcagctaag 120
caagattcat tgcgacaata tgagcgctaa gcgagtcctt ctgagctaag cgcagctcc 180
tctgtactta agatgcatca ttttagctaa gttggccaga gcttggtta gcgagagttg 240
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tgttaaaaaa aaactgattt tgaattcgaa acgccggcta agcgcacggg tccgctaaac 360
gagccttggt gagaaaccaa acgtctctct tgcttgctta gcgtagcggc cactaagcg 420
agagta 426

<210> 36290
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36290

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aggccgaggc gcttccgtac cgtttccgtg agtaattacg cgaagattct cgaccgttct 180

[illegible]

gtgaatgctc	tattcaatgg	agtggacaag	aatatTTTTct	tactgatcaa	cacatgcaca	60
atggccaatg	atgcatggga	gatcctgaaa	accactcatg	accgaacctt	caaagtgaat	120
atgtccaaat	agcaactatt	ggccacaaaa	accgaaaatc	tgaatatgaa	ggaggaacag	180
tgtattcatg	actctcacat	gaacattctt	gaaaatgcc	atgcttgcac	tgcttgggga	240
gaaaggatga	cagatgaaaa	gctggtgaga	aagatcctca	tatccttgcc	taagagatat	300
gacatgaaa	g	g	g	g	g	360
ctcattggtt	cccttcagac	ctttgagcta	agactctcgg	atatgactga	aaag	414

<400>	36294
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gatgtccgat	tcggggaaat	aatatatcga	gacgcacgaa	attgaacaac	ggaagctctc	120
gagaaatatg	aatggtcata	acattttcact	cggatgttcg	atccgggggac	ataattttatc	180
gagacgctcg	aaattgaaca	accgaagctc	tcgacaaatt	agaatggtcg	taactttttca	240
cgcgaaatgtt	cgattcgggg	acataactca	tctagacgct	cgaaattgaa	caacggaagc	300
tctcgagaaa	tttgaatggt	cataagtttt	cacacgggatg	tccgattcgg	gaacataata	360
tatcaagaca	atcgaaattg	aacaacggaa	gctct			395

<400> 36295

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accctggctg tatcaaagga cattcacaac ctttgcggtg tgccctcgct ggaaagagtg 180
attctttcct tcctttcatc ttcacccttg ttctttcaaa ccacaattcc agaaaatcca 240
cctctgcccc gaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat 300
tcttgagcct aaattgaatt tcaaaacgag tcctttcacc tcgttttgga atcacctcat 360
ttggagccct ttagcttcag ttatttccat ttctatatatt ctgtccagcc accacttaac 420
ctacgtt 427

<210> 36296
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36296

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gactttctgt gattgggggt aaagatacaa tctttgcaaa tgagaatgct ntagaaacat 120
taagaaagct agcagatggg cctaanagaa atgttatatc ttggaaagga tatgacataa 180
acatgtattc attntacaca aaagcacaag atgacaaaag tacaatgcag aacagcgggg 240
tcctcctaag ggctgaatct caacacttgc caagtgtgaa tgacgccaat cctgtgtag 300
cttccatccc ttactttgng ttcatcttgat gaaattggga gcttaactat ggngaaatta 360
ctatantgtt tttcaaatgt aaatggggtg acagcaacac cgggtgtacgc accaatgaca 420
t 421

<210> 36297
<211> 453
<212> DNA
<213> Glycine max

<400> 36297

tcttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat tccctagtgg 60
atggcacctc ctctcacctc ttctcatttg tcttcgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagctc catagaagcc ccacaagcaa 180

caacatgaga tagggtgtta ctatcagact ttgaaccatt catgtttttac ttaagaaact 420
cctttcaaca tgggtctgccc atggg 445

<210> 36300
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36300

cccatttcta ccaactacaa aacctaagaa aactatatta tctacacaaa aggtacactt 60
ctctatatatt gcatagaggg tgtttttcct aaggactgaa agaacttgtc tgagatgtcc 120
taagtgatca tctagcctcc tactatacac taaaatatca tcaaaataaa caactacaaa 180
tctacctatg aaatccctta agacatgatg cataagcctc ataaagggtgc tnggtgcatt 240
agtgagccca aaaggcatca ctagccattc atacaaacca aacttgggtct tgaaagcagt 300
tntccactca tca 313

<210> 36301
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36301

ntntgattca ttctatgtac ccgtagtggg ccacattgtg tttcgtgcat ttttattctc 60
gttttggtta cttttttatc cccctcttga cgtgcttaag ccattttact taagtcattt 120
ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccgtta 180
acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
aaacgaggta aaaaataata taataataat aaaaaatctt ttagcaaaat aaagcggaaa 300
atcaatcgaa cgttttctct ttgggatttc tcattcttaa tcgaattgat taataactaa 360
agtgaacta aggctaaaat caactcacct agtcaagctc gtccacaaaa ataggccttt 420
gaagtatgtc atttcaattt ct 442

<210> 36302
<211> 458
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36302

ncagctngct ttgtggtctt ttatggaggc tggatctttg agcttcaatg aggtccttta 60
atggtgattc tccaccatgg agatgcagtg gaagacaaag gagaagagga gagaggaggc 120
gccatccact anggaataag ccttggaaga aggagcttca ccaccaagat gagccttgga 180
taagaagctt ggagaggatg cttcaatgga gganaataaa gagggagaga aagagagagg 240
tgaggagcacg atattgaagg aagaaaaagg gagagaagtt gaactttgtg ttgtgtctca 300
caagactctc attcatcana gttacaacaa gtgttacaca tgcttctatt tatagactan 360
gtagcttcct tgagaagctn tcttgagaag cttctttgag aaaacttcct tgagaagcta 420
gagcttagct actcacacc ctctcataac taagctca 458

<210> 36303

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36303

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ttataataaa ctcaccctc gcaatttttg taccgtgtgg ttggtacctg tgatgatcgc 120
aaacctttgt tcgtgggagc agaatgacag cagtagtgga caagaagtga gattctttcg 180
tggagccacc gagctgacgt gatgaagttg ggattatttt gggagagagt tgtgttttat 240
taatcaactc ctccatagct ggttccgtaa ttctttttgt tgatttcaag atgtaaatca 300
caaatttaat tatatgtatg aacaaattta ttttccatta tgtgaatgat gtgtactagg 360
ttactatacc tatatatata tatatatata tatatatata tatatatata tatatatatt 420
cacttacgta atggtgcatt gcg 443

<210> 36304

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36304

agcttggata gatgcttcaa tggaggaaaa gagagagga gagatagaga gaggggggag 60
caccacattg anggattaaa ggaggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagtaac aacaagtttt acacatgctt ctattcatag actaggtagc 180
ttccttgaga agctttcttg agagaactaa cttgagaagt tcctttgaga caacttcctt 240
gggaagctag agcttagcta cacacacccc tctcataaca aagctcacct ccttgagaga 300
cttccttgag aagattccta aagaagctag agcttagcta cacaca 346

<210> 36305
<211> 464
<212> DNA
<213> Glycine max

<400> 36305

agaaggtgtg tagcccacca tcttttcata gtagaatact gtttttgcgt ctactattat 60
tgtcatcatt gtttttctct gtcattgagg tgctacttga gctgccaaagt ctctccacct 120
ttgggcgtat cctttgaaag atccgtaccc tctttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg aactgccta atgaaggcaa ccactaggtc cttccaagaa 240
tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccagtc aagactttct 300
tggaaggaat gtatcagtaa ttctcatct tttgcgcagc ccccatctt ccgataatac 360
atcttttagat agtttttggg gcaagtagtc cccttgact tgtcaaagtc caacaccttg 420
aacttgggag gggatgatgat attgggttct aggaaccaac tttt 464

<210> 36306
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36306

cagctcggac ccgggatcct tagagcacct gcggcatgca gcttttttga tgtgaatctt 60
gatctgtcat atcgacttg agagggtgta aaaggtgcct ttcttttcct agaagccata 120
tgcaaaatat aagacaaaac acaagagatt agcacatgtt tattctcaag aaaatagaaa 180
aattaagatt gataacagag ttgggcgctt agcacagcaa tatggcgctt agccccttca 240

caaaattact catgggctaa gcgtagcaaa ctgcgcctna gcctagagac tcanaatctt 300
 tntgtctaca gattaggctt agtgcagcaa ggcaagctta acctanacct acaatnttag 360
 aaatagtaaa ggacttgggc ttagcgcaga ggccctgcgt nageccttatt acgaaggtaa 420
 agaaacagaa cctaagtggc gcttagctca gtaagtngtg cttagcgcct gaactactct 480
 gagtatctca gta 493

<210> 36307
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36307

tctgttctca cttgatgtgt cccttacatg catgcacaaa tttatacttc tatgctacat 60
 tggagctatt gttttctact tgggtgaggt aagttgttca tatgagactt aaagctgtga 120
 ctactgtgtg gtgtgtggag ttgtaaattg taattcacca tacttactga cagttcaata 180
 taattttgga cctatTTTTT gtcactgaat aagttacatt tcctatttca ctttgatttt 240
 aattttggac tctttttttt ttgggtcttga catagcatgt ttatttaatt ctgcagcctg 300
 ctgctcccaa actgggtacg ctgatgggtg tctntattcc atgtatacaa agcatnttgg 360
 gcatcatcta ctacattcgt ttctcttggg aacttgtaaa ttgctttaaa tcttgtctta 420
 tatttttagct cgtttgaggc tnttgggaacc taatatctga 460

<210> 36308
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36308

agcttgtatt ctctnccatc cncccagcan agtcatgtga tagttctgct ggtaggagtt 60
 gtgtttttaa caacaataag ccttattcca ccaagtggag ctaatatata tgtcaaaatc 120
 actaattggc atccacattt gagaatccaa agtgcataana atttattgat tactaagtta 180
 ctaacttcct ttacttacaa ttttggcaat gatcgttcta tttcaatctc gttaacctat 240
 gctctgctca ttcttatttt tccctgcatg atttccttgg gactacagat actgatgtta 300

nttttagttg cataattggt aacgtttata atattgttgc atgctttnga aggtttaatt 360
acggaactgg gtagaattan aaaataccat aatgggattt tttaaataaa ta 412

<210> 36309
<211> 461
<212> DNA
<213> Glycine max

<400> 36309
tcttggagtc ttctatgcaa tgcccttgag gggatgatt atttcattcc ctccccctt 60
gaaaaggatt tgatctcaaa tccatagggt cttgaaactc atggattctt tcctcaacac 120
ctctaaaaag aataaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
actgaaaacc cctttcttgg ccatcttccc atgagagaat atagttcctc accaactcag 240
tgagtgggtgc tacaagtata gaaaaatatg ggataaacct tttgtaaaag tttgttaaga 300
tattgaagcc cctaatttcc cttatacatg gtggagtaag ctactcaaga atgaccttta 360
ttctcttatg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
aataaaatat accttctttc tttattttca tgttgattat t 461

<210> 36310
<211> 116
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36310
gtccaacacg gtgttaacgg ctccatgac tgccttatag aatgacaccn cgccctgaca 60
ctcctcgcag actgttgat tcatatacac tccgcgataa ggaagcatca caactg 116

<210> 36311
<211> 221
<212> DNA
<213> Glycine max

<400> 36311
agatgggggtt gttgatactg gcgaagaggg aacaccagct gctctggacc tggttttcct 60
tgcccttggg aaattaacta tttggtcatt cacattccaa catttccttt aatataggcc 120
aagataatga ccagcctcag gctcttgtaa gcagtaagag catcagatcc aactccccctt 180

gacctacaca agactttgat taaagctggg aagcctaggg a

221

<210> 36312
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 36312

tgagcttgcc ctccattatg agcatggagg agtttgacgc tctaggtggc ctggccagga 60
 gaccagtctt ctccctctag aggggggtggg gcctccacaa cccaggagcc tgtgactaag 120
 gagcctgcag cagaggaaga gaccactcca gtcagactc ctcagccatc tccaccatct 180
 gaacctgctc ctgacgagac tcaaccatca tcagcactgg atcttaatga agaccagcca 240
 caggaggagc aggacgttta attttttttt tttgcattat gaacacttta gttttatttc 300
 agttatttta tgctttatgt catttaaatt tcagctttta tatttcagta gcatagttgt 360
 ttgtttgctt gaacaaaaag cttgattgaa cagtgaattg attgaacatt gcatgcagtg 420
 gattgtttg 429

<210> 36313
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36313

tgcttttgat ccaaaatcct gacacaccat aaaccttgac ccagggtgag aatgtcaatt 60
 cttaccctcg gaagcaaana aaaaggggag agggaaaatt tccaatcaaa gaggaagcan 120
 aaaaggagag aaggaaaatt tccaatcaaa ggaaaaaaag agaggaaagg gaattcccaa 180
 tcaaagagtg ggagaaagca aaaagattag aaagaaaatt cccaatcaaa gaatgggaga 240
 aagaaaaaag agaagaagat aggggaagata gttcccgatc aaaaaaaaaa ataatatgca 300
 gaaaggggtct tggaccggac aatatctgaa caatacagaa ttgtcaccaa atgaat 356

<210> 36314
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 36314

tcttagtttc agatgatgca gatggatttg tagctacctt atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcaacatct atcatacttc 180
tctccatatt actgagtcct tcataaaaaat attggagaag aagctattct gaaatctgat 240
ggatgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatatacct tcccgatggg tgtgggtcctg gaagcaggaa 360
atTTTTTTTc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420
ggtatt 426

<210> 36315

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36315

cgatcactcg gaccgggata cttaagcacc tgggctcagc ttttatcatc ttgtcccgat 60
ggcccatgtg ttcgtgcttn tattctcggt gttactttta taccctcttg gacgtgccta 120
agccatttac ttaagtatnt ctgcttaaac tanaaataaa atagatttcc accgaacgtt 180
tgaattgtat atccgttaac ttgggctaaa atgaattccg accgttcggt cgtgccgtaa 240
ccacgtagga aatcanaaag aggtannaaa taatataaat aaacaaagaa catcttttag 300
taaaataaag cggaagatca ataggacggt ttctcttttg gattctcatt ctcatcgaat 360
ggataataac taaagtgaga ctaggctaaa atcaactcgc ctagtca 407

<210> 36316

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36316

tgctcanag agatccagga aggataaagc gaccgtaggt tccagttccg ctcccgagta 60
tgacacccac ctcttttagga gcgctgaaca ccagcagcgc gtcgaggcca tcaagggatg 120

gtcatttctc cgggagcgac gcggtccagct cagggacgat gagtataccg atttccagga 180
ggagatagtt cgccggcggt gggcatcact ggttaccccc atggccaagt tcgacccaga 240
catagtcttc gaattttatg ctaatgcttg gcctacgaag gagggcgtgc gagatatgag 300
atcctgngta aggggtcagt ggatcccgtt cgatgcggat gctatcagcc agttcctggg 360
atatccttta gtgctggaag agggccagga gtgcgagtat ggtcagagga ggaactgggc 420
tgatgg 426

<210> 36317
<211> 223
<212> DNA
<213> Glycine max

<400> 36317

gttttttcag atactaagta gcacatggat gtttctcaca atctgtttac cacagagttt 60
ttactctctg gtaatcgatt accagatcat cgtaatcgat tactattagc gaagatgggt 120
ataaaaaaac tgttaactga atctacaatg ttccaataga tttcaaaatg ttgtaatcga 180
ttacaatgta ttggtaatcg attaccagtg tgctagaacg ttg 223

<210> 36318
<211> 417
<212> DNA
<213> Glycine max

<400> 36318

tgccctgatac tatctgagat ccctttgtcg ttgccttctc ttcgaggggtg aagcttaagg 60
agaaccagg ctcctatctg gtagttcact tcgcgacgtt tcccatcagc ttggcttttc 120
atagcagctt gttccttaga agcttatttc gaatagcttg gaaagtgata tccctgtcag 180
ttaacatctc ttcaacggcc tcaatgttcg aagaccctgt aatatattct ggatagttaa 240
aggttttcgg cttaaaggtaa caccatacgt agtggctcca gttcccacat tccatgaagt 300
attatgggat cattcgaccc acgagaggag cttccccac aagcttggcc gaggatggat 360
gaaggctcgc aaatattggt caattatgcg attcaaaacc tctgtctgtc catcaat 417

<210> 36319
<211> 401
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36319

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ttttcgaaat ctgcacttta tgcagaatTT tgttgttgaa atgtgcagca gaattttgta 120
taagtgcaga aaaatgctta tgtatggctg gtttgtgaaaa gggtagtaca tatgggggttc 180
tggacatttt ctagcagatc ccaacgggtca aaatgtatac ttatgtacta gagacttcca 240
gtaaaatatt tgagtcgac caacgggctaa cgaattggaa cgaaggatat gttactgggg 300
tatttgatg tgacaagcta tgatcttgag ttgtgttttg ggccaagttt tctgcctttg 360
ccctgttttg cttgcgtttg ttagtccatg atgattggac g 401

<210> 36320

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36320

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atcattcatg tttccatgga tgaaacaaat gctatttctc ccagaaagga tatttttaaat 120
gatgttgcta aatccttata acgaatgcat atccttggac actattctcc agggacaggg 180
agaggaagca ttgaaaatcc tcccgaaaaa gatcatcccc ttgaccacat tattgggtgat 240
atctcagaag gggtaacgac taaacattct ctctaagatg tatgctataa tatggctttt 300
ttatctaaga ttgaacctct aaatataaaa gaagccgtat tagatgagca ttggatagat 360
gctatgcttg aacaact 377

<210> 36321

<211> 379

<212> DNA

<213> Glycine max

<400> 36321

agctttctta agaaaacttc cttaaaagct taggggggtg acttagtaaa aatgggggtg 60
caaatagcaa ccaggcccac ttggggcctc cagaatattc ctccagaagg ttgttgcttc 120

tggaggaagc aaccctgctc gcoctgggcga gctgggcagc aagcatctcc cctatcttgc 180
tataaatagg ggaggaagtg agaaggaaag gggttcagcc ccttaggcac ttctctctct 240
ttcgaatttg cttggaaaaa ttgtttccgt gaagaaaatc taagccgagg cgcttccgaa 300
acgtttccgt aacgtttttc gtgaagaatt tcgcaaaggt ttcgaccgtt cttcgacgtt 360
cttcacgat cttcgatct 379

<210> 36322
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36322

tacaactacc caacacaatt caaatgggaa tttgtttgta tttaatat tt aaagtaattt 60
aaatgtaaga taatatatat agccatggca ctagaatca aactttaaaa gtataagaac 120
caaaactata atagaaaaaa attagggtag gtagaaaaaa tatattagaa tcaaatatat 180
gtatgtgtag tttcattaca ccaattttaa tacaatat ttctcaaatga ttaaatat tt 240
ttgctaagta ttttcacatg anagtttcat taattcaaac caacctcagg gagctacagg 300
tacaatcttg cccgagcagt atcaaacc ca atagaataat cattttcctg caaagcaaca 360
aatttagatt ttatcataat atttcaagtt ttacaactaa taaataag 408

<210> 36323
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36323

acaagctttt atttctcttt tcagaacct gctatgtgct cgcgactggt ctctttcttc 60
cctccgcaac ttgagttcac tattgtacc ccatagagct ccgcgaaatt tggtccggcc 120
atactcttcc ttgcgagccc tcttgggtctc ttgttcaagg gctcttgagg taattgcatt 180
ctcttccgt aaccggcac actccttccg aacgtgtgta gcggccaact tgatcttctc 240
cttggaagt tttgcctttc ctaactcgt tttgagagat tggacttctt cgctctcttc 300
cgggtgcttca aaatcctctt cgctgacgac ttttaacttg gagagccaat ctaaacctcg 360

tatatgaact ttcagccatt cgtggtaccc accaatgata cn 402

<210> 36324
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36324

tatagaatat ataattacat aactaagacc attttagatt ttattcatgg caccttccga 60
 tgaggctaga gtgctatfff ctcccacaaa cgatatttta natgatgttg cagaatcttt 120
 acaatgaatg catattcatg gacaatatcc taaagggtaa gggaaaggaa gcaatgaaga 180
 tcctcccgaa gaagatcatt cccttgacaa cattattggt gatattctca aaggggtaac 240
 aactacacat tctcttaaag atttatgcac taatatggct tttttatcta tgattgaacc 300
 tataaatata aatgacacca tattacatga tcattggata gctgctatgc aagaagaact 360
 aaatcactt 369

<210> 36325
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 36325

agcttctatg aaggttggat ctttgagttt caatgaggtc cttcaatggg gatffffcac 60
 catggagatg tagcggaaaga taaaggagaa gaggtgagag gaggtgtcat ccacttggga 120
 ataagccatg gaaaattgag cttcaccacc atgagagtgc cttggataag aagcttagga 180
 aggaaacttc aatggaggaa aagaaagaga gagagagaaa gagatacagg ggagcacgaa 240
 attgaaggag gaaaagagga agagaagttg aactttgaag tgtgtctcat aagactctca 300
 ttcacaaaag ttacaacaag tggtacacat gtttctatff atatccgagg tagcttcttc 360
 gagaaacttc cttga 375

<210> 36326
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 36326

gcaaaccgat ccaccacat ggttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
gctctttttt ccgcgtatac ttgggcatac tcaccgcga ttctatgctc gtgggctgtg 360
gctagacctt actcttcttg gtacttggcg atgatagcta gcatgttggg ctccgtctcg 420
cataaacgct gagacaagct tctt 444

<210> 36329
<211> 365
<212> DNA
<213> Glycine max

<400> 36329

agcttggaag gatgcttcaa tggaggatta tattgaggga gagaaagaga gaggggtag 60
cacgaaattg aaggaataaa aaaggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt gcacatgctt ctatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 300
cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tctaatagct 360
aagct 365

<210> 36330
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36330

nttcgattca ttctatgtac ccgtgggtgt ccacattgtg ttttgtgtat ttttattctc 60
gtttcattta ctttttatac ccccttttga cgtgcttaag ccattttatt taagtcattt 120
ctcgcttaac ctaaaaataa aataaatttc caccgatcgt ttgaattgta ttatccgtta 180
acttcgggta aaatgaattt cgaccgttcg gtcgtgccgt aaccacgttg gaaataaaaa 240
aaaaggtaaa aaataatata ataataaaaa aacatctttt tagtaaaata aagtggaaaa 300
tcaatcggac gttttctctt tgggatttct cattcttaac cgaattgact aataactaaa 360
gtgaaactaa ggctaaaatc aactcgccta gtcaagctcg tccataaaaa taggtttttg 420
aagtttatca tttcaatttc ttgctaagt 449

ccaaaacaat gtgtgtggtg gagggatgta aaacaagctt tcaatcaatc tcaacaggga 300
ctggttat 308

<210> 36336
<211> 425
<212> DNA
<213> Glycine max

<400> 36336

tgcaatgaaa gatattgtgt atgtaggagt ctggtgccaa tctatacttt caaaccaagg 60
ccataattca aaataggtaa gatataaatg atgatagtca ttagcacaaa cattgacttc 120
tgcaactgct actaagcttg caatcaaaga tattgtatat atagtaatga actttccatt 180
cagcaacaca aattttgtttt atttgtatgc ttaaactctgt tagattgcct gttcaacttg 240
aaatgtcaaa tttctatctt atatatttta tttggacaat atctaacaaa agatgcaaca 300
aagaagttaa ctaaaccctta tatcagagat gggcatcaat tctttatata ttgcttgtct 360
ggcacaccac aaattctctt ttgatttgtt ttgtccatag attagacttg ctttatatag 420
ttctc 425

<210> 36337
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36337

gggtcccttg agtatgcatg cancgcncca tnggacagan ccnggggcaa aagaccgaga 60
aacaacacct ttacgttagt agaaagacac ccagcgggc ggccaatggg aaanacaac 120
ccacaccaac gcgaacgaaa gaaaaaaaga caaacgaagg agggagagac aaaagcgaaa 180
cacaaccgaa gagacacaac acaagcagcc cgaggngcg aggaccngac ccacgaccaa 240
gaccacaagg gagacaaaac gaaagagcac agaaaagaaa cgaacnacgc acaacaggga 300
ccnacaagga aagaagcggg agcaccgaac gcaagacgag agacaccaac ccagaccaag 360
aacagcgaca cacaggacgg cacaaaaaac cgaaagaaaa agaagaaggg ccaaccacga 420
gcccaaaaaa cacagacaca cg 442

<210> 36338
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 36338

tcccgcaccc gtacttggaa ggacctgatt actgctttcc tattgcaata tcagtataat 60
 tccgatatgg ctgccaatcg cactcagcta cagaatatgt tcaagaagga aggtgagacc 120
 tttaaagaat acgcgcacgc gtggagagac ctggcggcac aattggcacc tcccatgctc 180
 gaaagggaga tgatcaccat gatggtagac accttgccag tgttttacta tgagaagttg 240
 gtaggttaca tgccatccag cttcgcagac gtagtggttc cgggggaaag aattgaagta 300
 ggggttgaaga gaggggaagtt cgattatgtt tcctctacaa gtgccaatgc taaaagggtc 360
 ggaacaactg tggcaaagag gaaggagga gatgccacg ctgtcacttc agcgcccgcg 420
 tgggtta 427

<210> 36339
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 36339

cagagcacct gagctgcagc ttgattcctt gcccgacctt ttttttttat gtgcacccaa 60
 acccaagggtc cgggtgagaa tacaacctcc tttctccctt tgtcgggttg tttaacatag 120
 cttttatattt tcctctcaat tagatctttg actctctcat gaagcttctt cacatagtcc 180
 gcctttgcta gaccttcttt atgcttaaaa acagaaacat taggcatatg caaaagatca 240
 agaggagtta gtgggttaaa accataaaca acttcaaaag gagaacaatt aacggtgc 298

<210> 36340
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36340

taaagtatgc ccgagtcatt catccctatg agaagntgnt tanatattgt cgatcagaat 60
 tgccattcgt tggattatgg ggttgaacca agctcatgct ttttcgaaaa aagttcatca 120

aatcaagttg aagaatggaa gtaactatct tgcaaaaatt ggggcaaaag atgaatcgag 180
 tcacatcact gcttcgtcta ctgccaaaca tatttaggat tgttgatgtc cttgttactt 240
 ccagtttcac cttgacaaag atgtcataga ccatgtggaa aatctaaatt gattcaaccc 300
 tatatcctgc acaatacttc aactgtacat cattcgcata catccatgct tttcattggg 360
 tgcattgctc attgcattct ttccttgaaa aagaaaataa aaataaataa at 412

<210> 36341
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 36341

agcttgttta taatactgta ttatgtgttt gtgactttga gaggtgtgaa catgacgggt 60
 ataactcttt ttttgatgaa caaatgttgg ccattgaaca agtaatcatt ttttgttttt 120
 tttttttttt cttttcttaa ccttccaact cactttatat gtcgggtcttg aacaattaaa 180
 tgaaaaccaa aaaatctttt gaattttgat tttttttttc tctcttaacc atccaactca 240
 ctttatatat gtcccacttg aataactaaa aagaaactaa aaacatcctt tgaattttga 300
 tttttgtagg tggaaccaat tgagaaaaaa gaagccatct gagtaagatt cctaacagct 360
 attatggatt gagc 374

<210> 36342
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36342

gacacctaga tactcaagct tangcatcgg gagaaacgat ctcatataac aggggtactgt 60
 tgctattttct gaacaaatga ggggtcaacag gcccctgaca gagaaacaat ccagctatca 120
 tgcagtaagt ctacccccac attgggttac catgctgccc caaccatacc tatattgaaa 180
 aacgaacact catgaattga ctgttagaca aagaagtatc cgtgcgcctg caagagataa 240
 taagatgctg acatcatact ccaaaccact gattagacca gactcacacc tcttgtgtta 300
 gatggatcaa ttcttaacac cacagaccgc tatgcagatt acttagatgc aactaataaa 360
 aaaccccgga tattctccat aagcaacggg caaccacacg actacagatc caatccagag 420

aggtagggg

429

<210> 36343
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36343

agctcgctag ctanaacgaa ggtggatnnt ttatctcact ttaggcgcct ctaaatnggg 60
gggaatgtgt ctcaaataatg tgtgggcaac ttttggcttt ggttttcttg ccttgattgc 120
ggttcgaatc tgcgggggtct tgtattggga tgtgccctac gtcctatata tgcgtttctg 180
aagcaatgtg ggcattgccca cattgtcact cgttctcttg ctattgaggc ctaaacgcgc 240
gcccaccaag tgttcggtga aatgcctcaa tggcattatc gcgtgacttt tgtaaacc aa 300
caacccatgg ggcattttgg tttgcacata tatectatit tttgggacat gcattcattc 360
ccgacaaatg ctagagtaat tgcccc 386

<210> 36344
<211> 264
<212> DNA
<213> Glycine max

<400> 36344

cctttcattc tgacatcatt caagaactcc ttagaacccc ccaagaacca cagacaaagg 60
ctatgactga aaaagctgtg aaggttggtg aagaggtcaa gttcttctca tattatgctc 120
atcacgttgc cactagtgat catgcagggtg atatcctaaa gaggggtctac atgattccaa 180
aagaaagggg acacattatt ctcaatgggtg tgggccaaca cgcttttcacg ccagatgttt 240
cgaaggggaa ggacttcaaa aaga 264

<210> 36345
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36345

agctttgagg gtgcgtagcc caccctcntt tcatagtaga gtatcgataa tgtgtctacc 60

<210> 36348
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 36348

ctcaacaagt ttcttcacag atatctatca tgaagcagaa aactcgcatt actaccatc 60
 atatctccca aaaggccata cccacgaaat ttaagagaga aagaagtcca cccaaacctg 120
 aaatttcgaa gtccactcg tagccacgca cttcactact ccaaaaacgc cctcctttca 180
 cgatttgggg cagaaatgat ggccaaagggt tgaagctttg ttgggggttc aatggagaat 240
 ggaggagaag aggaagctac gtgagagagg gagagaaaag gcttctgaac ttctttcttt 300
 tggctgagtg aggagagaga aaagctcttt gggttttaaat aaaagggttt tctctttttc 360
 tattatttta ttttaagcaat gccacatgtc tccatttgag tggagcaaga agggcccact 420
 ttcccttttt gactgtgacc catactcagc 450

<210> 36349
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36349

agcttccatc tttgattgaa tnaaggtnnt aanttttgca gcancgcaaa gangctgaga 60
 catcttttat cccatccagc gggaagtctg atgacactgc tgattatacc ccgcttgata 120
 gtgtttcttt tattggtgaa ccacacactg atacaacaga actgacagat cctaacttta 180
 atgctgaaga tcctctaaga aatttttatt cctttgatga agaagttatt aaatctgatg 240
 ttcaaa 246

<210> 36350
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 36350

agtgtgaggg gatactaagc attctttgca ccaaagtacc tatcttatcg ataagccacg 60
 aaaggaggcg ttatgggttt ggctccatga ctggtaatga aaataaagag actgtaatgc 120

aggttcctga agaactttct gagataaaaa atatgaagaa catgtatatc caactaactc 180
 tatcatcact tcataccttg gaacagatca tgggtagaag ctcaactgta aacatgttcc 240
 catctttctcc aaacaactaa gctttgctat tacaagagaa ttgaaagaag aagaaaaatt 300
 gcactagaga aagcaaccta gtatctaata gtgagaataa catggatcta cttgtgcttg 360
 tacatggctg atattataga gactaatgca gccatccaat tagttactcc gaatatatta 420
 cacatgatgg gtgttgactc tc 442

<210> 36351
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36351

agcttgtaat cgattacaca catatctggt tcgattatca gaggagattn tcagaaagat 60
 attctcaatt gtcacatctt ttcagttggt tcttgaatgg ctatcaaagg cctatatatta 120
 tgtgacttga gacacgaatt tgctaagagt ttttcagaac aaaaagggtct tatectctta 180
 aaaaccaaaa tcattttatc ctcttacaaa ttccttggcc aaaacac 227

<210> 36352
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36352

taagctcctt caactgcaca aggctcttaa tatttgatga gatccttgtg gaaccttcac 60
 ccgacgaaga cgctgactaa aacttatatt atccttcttt gacaaagtat ggcaggatag 120
 ggacaagtaa attttcttcc catcagacct tggatgcaac tgtgatcgta taccatatac 180
 agctagatct tgacgggtat tcaagccatc cttcgtcttg ccttgaatgt taaggagcgt 240
 cccaatcaca ctgtcacaaa catttttctc cacatgcata acatcaatac aatgtctaac 300
 gtcaagatca caccagtacg gaagatcaaa gaaaatggac ctcttcttcc atatgcaact 360
 ctgactntta tccttcttgt gggctctccc aaatacagta ttcaggtggt gaacccgctg 420
 atatacctgc tcaactagtca acga 444

<210> 36353
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36353

agcttcaact cattctatca gatctaagtt ttattttgct nnnatacaac gaaaaaggct 60
tattttgctc catcttaatc ctactatfff atctcgttac atttttatcc cttttaattc 120
atatccttac atatttggtg tcttttcacg acgtcttttg caatctattc aactacttgt 180
tctgcactta aagtattact tgtaaaacgt agccaaaaaa caaaacattg cttgcacaat 240
aatttcattg ccaattgatt tttctttatt tttctatcaa aatggagtga ctgtaccatt 300
ttttcaatta atactctgcg catatcatat tctggagttt ataaaacatt ccatctttat 360

<210> 36354
<211> 428
<212> DNA
<213> Glycine max

<400> 36354

atctaagtct aacctattat tgaaatffff aactccgggc ctgatgtagg ctaagtgagt 60
tgggtgtggt tccacccta cctctcatga actgtggtta aatgcctctt gcgaagcgtg 120
aaagaagtac tattgtgtgt ttgtattagt tcattttata ttttaatffff ttggataaaa 180
gctttacaga aactttttaca acattgaaaa taactagata attactacaa ttgaacttat 240
gttagctcca gattcattgg acctctactt aaattcagaa gttgcagtgc acagtatcaa 300
aggaaaatta tctatgcctt aattagggga ttttttttat gacaattagg ggattgggtat 360
tactgtattg tggaataaaa caaatccgac atccagattt aaacccact tgtatcttta 420
attaagat 428

<210> 36355
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36355

aaacaaacaa ancagcgcag cgtgacaatn anagangccg ccccaacacc ncaccacgc 60
aagagaanca cacaagaacg gccnnactcn aaagaaacac acaggccnna aaccacncca 120
acaccccagg agggcgcagg caacgcaaga gacaanggcc acaacaaaga acagaccacc 180
aanacgcgna aaggaaggcg acacaaggaa aagggnaacc aagaaaaagg ccaaca 236

<210> 36356
<211> 328
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36356

agtgtgatnc aacaaaatcc agcattgact acaggcttan tttatgacaa gccaanngaa 60
ccgcgcggta ggtttaatag tacaattatt ccctttaat ctttatagca cctatcttgt 120
tacaataaaa cactgagatg agatgaatat gtttcactca aaaaaaacgg tccgtcctaa 180
tggtgaaaat gagtattcca ccagataaca atgtgcgaaa tttggaccta attaacttat 240
aaacctaatt aattttaaca acaataaata agtctatatt ttggaggaaa gaaaatttta 300
tctctctcaa caagcataac acagctat 328

<210> 36357
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36357

gaaaaacacc anngaaggac cncaacgaag cacaaagaac gagcncatc atgaagcncca 60
caagcaagcn nccatcaagt ggtaatcaga gcacaagagc ttcaagtagg agctccttaa 120
acctccatta attttttttc tttaccttct ctgccattga tgttttttca tttttatcca 180
tgtatctcct cacatgtcgg gcgctaaatg ttgttaacat gattctttac agtttccacc 240
aataaacttg ctatagaaac tagattcgat attctatgga tcaacattct tgctcttgc 300
cttgaaccat g 311

<210> 36358
<211> 428

6095012460

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36358

tagcacgtga agacatggcg cttagtgcaa gggttgttct anattgggtg gaaaactaaa 60
aaattattgt aaggcttttc tgtccatctt ttcacctagg cttaaaaagc ccccttgttc 120
actactaaac gaactgaaaa attaatacata atcataagca actatcctaa ttacatgcaa 180
gagatacaaa atgaaaaaga gaaaagggaa agaaaagttg gggtgcctcc caataagcgc 240
tcttttaatg tcattagctt gacgcatcat cctgttatcc tgtgtccaat aaggttccaa 300
cttcagaac cttcttcttt agtctttggt tcttcacac attgaccttc aaacaaacat 360
tttggtcagg caaagctctc tcttcacgaa acatatacga actgatttgc tgggtcttcta 420
tggccatt 428

<210> 36359
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36359

ggggaacgag tgagacctgg atcctcagta nactngagat ccttagagtg acccgcgga 60
tgcaagcttg tccacaaaaa ataagtcact aaaaaagttt tgatagttaa tcatctcagt 120
tttcctgac aagtaaatgg atcattttta aggtccaacg ccttaaaatg atcacctttc 180
aagtaaaaag aatcgcttga ttcacgctta agaaagaact acgtaggttt gatttcttca 240
tcgatggagg gtacgtagga gcaaaagccc cgcttttgtc gacctcaaaa aataaaaaga 300
aataaaagt aaggttaatac aatttccaca attctaaaaa ataggttggt gtcctttgag 360
acaaacgtga gaggtgctaa taccttctc aaacgtaatt acaactcccg aacttagaat 420
tttcattttg atcggttccc ttcggttttt ctgatgtttt ccacaaataa acgttggtgg 480
cgactccgcg catn 494

<210> 36360
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36360

cctgtatcag tgcggggttcg ggagacaaaag gtcaagcggn cgttaantgt tatagatgan 60
atnccgagta ctgggggattt ggtacgacca tgctctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacgggtttta 180
aaagctctat agttgggcct aggctttaga gttttcattt tgttaaagct ttgtgtcttt 240
tgtttttgaa tttataatac aaggatcttt ctctcatctgt tcttgggtctc taccattctt 300
cattcatttg catgtttact tcttttccta aaacggcaga ttcaatgaca agtccccga 360
aggtactaat acctgngacc cgtctatcaa ctctcgagcaa gaaatgaatc aa 412

<210> 36361
<211> 383
<212> DNA
<213> Glycine max

<400> 36361
gaccgcggca tgcaagcttg acagtgcgca ggagcgcaact ccttcacttt tatacattat 60
aactggcggc cgatgaatgg tataataagg acttccttct ctaaccagac ttgtgaaatc 120
gcaaaacaag aataaaaata catctaaaag gagcgtcttc tcgtaagtcc tcgaaacggt 180
cagcgaatgt gccgtccaag tattctttcg ccattccttct agacacagat ataatagcct 240
aataatagcc ttgtccttat gttctgggtg gatccattaa ttgatagtac ccgctttttg 300
tatcccttat cgacaactaa tttgtcagcc atctagttat gatggtagac atatgatcat 360
aactttgatc acgcgcccatt att 383

<210> 36362
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36362

acaccttaga atactcaacc ttgtgagtct ccagacgacg atagtataaaa cctgcaaaan 60
tttgattttt ttcagaatcg gacgaccagg atcattcaga taccgtcgaa ttcgttcacc 120
tcgattgatg aaaggagcgg atgatcataa ggtatctctg cctgccacct aacttgctgt 180

gangacaaac ccgagagcca aacgaaccag c

451

<210> 36365

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36365

agcttatcaa ggaagctacc tagtctangt anagaaacat gtgtaacact tgttggagac 60

tttgatgaat gatagtcttg cgagacacaa ctcaaagttc aacttctctc cctcttttat 120

tccttcaatt tCGTgctccc cccttctctc tttctttttc tccattaaag catcctcttc 180

aagcttctta tccaagacaa ttcttggtgg tgaagctctt tcttccctgg cttattccct 240

agtgaatggt gcctccctc tcctcttctc ctttgccttc cgctgcatct ccatggtgta 300

aatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 360

agcaagcttc ca 372

<210> 36366

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36366

agatgagctg ctccaaggga tatcaaaggg ggtacatang tgnaaactct taagccncat 60

cgncctcgag gaaccctcca tctctggcaa tccatacccc acaacacaa ccatgaaac 120

tcgatgttcc gcaacttcggc ggcattggatc cttttggttg gatcttcaaa ataacacaat 180

tctttgagta tcatgaaacc ccagaccatg atcatctcac catagcttcc atctacatgg 240

aaggacttac actcgtggt tccaatggat gatgcaaaat ggccagattt cctcctgggt 300

aggtcttctt caagccttgg acgcccgttt tgcagtgtct caatatgagg atcctacaag 360

tatttgttta aactcactca caaaggcact gtaacagaat at 402

<210> 36367

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 36367

gaggcccggtt gagacgactg canccccan cacaaccgcc gagaangaaa aggagaagag 60
caaattgtta acgccagcga aaccgggggg gaagcgagca ccccnccacc cggcgggcga 120
aaaaagcgca acgaaggaca caaacacccc cggaacagac aacccgagcg gaccccgaaa 180
ccaagcaaga accccaaaag cccggcgaac cgggacgaaa cgaaaaggag gcccaacgcc 240
acaccacaaa gaaagcgccg cagcgagac cgaaaaggaaa accacccggg cagcggaac 300
acaccgacgc gacgcaaagg aggacgc 327

<210> 36368
<211> 278
<212> DNA
<213> Glycine max

<400> 36368
ggtctgattg atcacctaaa acggcagccc caagcaaagt tctttggacc aacgggggga 60
tacaacaccc caacaggggg acggacagaa taccacacaa ccgggcagga cggcccaacc 120
gaaccgagga tcacacctgc cgccgagaag gagcgcgaca cgaaacatcc ccagcaaca 180
aaacgcgcaa gagacacaca gcggaaacaa aagcacgccc catagaagac caaacaggg 240
gaccaccga cgaggagacc ggacaccgac aaagagac 278

<210> 36369
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36369

gcgcctccc ttgattcnat tgctttgcan nnctcgaga ttctgtaaag cgactatgcg 60
gcatgcaagc ttgtaagcaa atgaacaagg ttaaagttga ttatcctgcg cagagcacag 120
gctggtgcgt atattatcca tcattccgc ctttatcata gcggtcaata gtgataacct 180
ttgcttactt cttctgtagt ggaatacggg ttgcgaaaag gttttgctct tttcttttcg 240
gactaaaaac atgtcacctt acttgagaac tgtccctgca aagatatatg tacatatata 300
tacatacata tataaataag acagaagaga aacaagcgat tctatatata tagtagcagc 360

<210> 36372
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36372

tacaatcatt tctataaaga atattattgg aagcatgtct taatttgctt acgaaatcca 60
 taccttgtgg gtcgttgaat ctcagttgag tcagttctgc aatctcactc agattcttgt 120
 tctaataaga taaaaaaaaat gaaaccaaga gtggaaaggg ctttccacgt acgaatcaga 180
 cacaagccga ttccacgttc acaaaatcac cagtttccca acctttttct tatcatcaat 240
 tgtctctttt tattctcact tccttaaate aggaatagca aagggaagt ggccatgcat 300
 atgcaagcac ccacaatcag tcttaacact gcaagggtccc catcttcatt agctgcagct 360
 gccaatgctg gcctgcgacc gcacctcacc cctatggctt taaagtcacc tttcttatgt 420
 agttccctta acctcttact tcacc 445

<210> 36373
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 36373

tggaagtggc ggctacaagt acgaacgatg cccagggatg ccaactatct ggtgcaacag 60
 gaagagggaa cattagatgc tctgagcttg gtcttccttg cctctggaaa attaaactgtg 120
 gggtcattca tattccaata gtctcttatg atataagcta agtcaatgac cagccttatg 180
 ttttcatagg aggttaagagc atcagatcca actccctcgt atctacacaa ggctgtgatt 240
 aaagctggga agcctaatacg agaagagtta gactgagcca taatagtcaa ttgtgcagag 300
 atcaaaactac caatgtgcat gtccatcctt gtgattaagc catagaccaa cctac 355

<210> 36374
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 36374

gcgcccctga tgagcatgcc cttgaaagcg gcaaaaaccg gccggcagaa taataaggac 60

gaaacggggg agacggcacc ccccccaaac ccagccgcca accggaaaag gacgaaaccg 120
 caaaagcaca aacaagccaa cggggaaga gcccccgaa ccaccagcaa cggagcgacg 180
 accggacgaa gccacgaaac ggccagcaca cgacagcccg agaagggacc aaacaaaaaa 240
 agaacgaggg ggaaagcaaa g 261

<210> 36375
 <211> 625
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36375

agagcgctac ctttttgatt taatgctcat agcnannnac gngacactna tagaatacat 60
 caagccttgc atggtaganc acagaagttg acaataagtg aanaccaaca tgttaccnna 120
 ttgngtgtac tgaancacna caggcgccat gaaacatggg tgatcattgt gtatagacta 180
 gtacatatgc gtcaccccca cgctgagatt gtgcctactc agaggctaga taccacacct 240
 tacggaccaa tgagcccatt gacttatgtg ctatatatct ncgagaggag agtcatctga 300
 tcttctcaat ttaacgggtc aagagcgaaa cactatgcca ctccaacatg tgacgacttc 360
 tatgaatgca gatgncatca actcacccca tctcctctat gtcttcaactg tctcgggcag 420
 tatcgatta gtgcagaaaag atcctcagta ctatgcttca tcgcatcagt gaggtcgaaa 480
 agacgtgcgt tnaagatctc tattgtgtaa ctaccacata ttaatagact acgcactgct 540
 tattgactct cgcgagcatt cgtcatgaca tcggagagcc tagtcttgaa cacttgcac 600
 gtgggctatt aaacacacat tcgcg 625

<210> 36376
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36376

tgtaaataatt tattggtata atttgctgg ccattttgct ctattgtctt tagaggttat 60
 ttctcgttg acatcttttg tcttgaatgg aattgccatg acaggtttat tgttactgtc 120
 tttgatattt ggtagttgat attgtgttgc gggaggtaat tccgattgga ttaactcacc 180

atccttcact ttccaatttg ttatgacatt tgttggtgga tcacctatga tgtcttgttt 240
ccaagggtaa tctatatacct ttctgatggc ataagcatga aaccaatcaa agaaaaggac 300
attaattntg cctctttcga caaatcgtga gaacttgtct tggatttggt ttctgggtgt 360
acccttgtaa tgttggaata ccatatcctt tgagggtcat tctccggaga ataaaaatct 420
tt 422

<210> 36377
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36377

aggagtcana tctgatctct gnnanatcaa gacctngana gaaaacgcag cgtgcnagct 60
nagagnctta caccaagaag cgnaccttgc gtttttaana agaaccacac caaccggacc 120
atgttgattt ggtgggggagc cctcttgacg gagactcaag cactgtatcg aggggaatct 180
ccactaaagg cctgcgcaac acaacaacat aaagacttgc ttagtaaata aggcaccttg 240
aatctaagca aaaaacaaca ctctacttta actcaacttc acgatattct actttttttt 300
actggcttca cgatattgta ctagaaacag gtaaacttca tgctaaaaaa ctaatctcaa 360
gaacgaattg tcttttactt tttaaatacc acttatgcga atgtcgatca gaaaacaaga 420
cactcataaa tggagaaaaa aatgtgatga ccatttatca agcaccg 467

<210> 36378
<211> 242
<212> DNA
<213> Glycine max

<400> 36378

catggccggg ctaacctaga ccaattgggc cacctgcatt cccacattcc aggctggtag 60
cctagagcat gaaggggagt gtgttgaaaa gccacttaac cacggtcaac ctagctcgcc 120
ttagatacgg cctcattggg ggctgacatt ttttttatca gcgaaaatat ataatcatat 180
tgaactgagt tccacagga ccaaggctac aatttaatac atcaagcaaa aggttccaat 240
at 242

<210> 36379
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 36379

ggaacaacac aggggagttt caagaaatga agagcccccg gttgatgcat ggacggagat 60
 gaaaaagatc atgaggaagc ggcattgtgcc ggctactaac tcacgggact tgaaattcaa 120
 gctccaaaaa ctaacccaac gcaactatgg ggttgaggag tattttaagg aaatggatgt 180
 gctcatgatt caagcaaata ttgaagaaaa tgaggaggta aatacggctc gattgcttaa 240
 tgggttgact aacgatatct gcgatacctg cacgagcttg ttgaaaagga tgatttgctt 300
 cccaaagcac tcc 313

<210> 36380
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 36380

ccacaagcac accggggggtt gaaacctgct accccacaac acaggcgcaa tatctgaacc 60
 gttgaaaaag atgagagtcg ctaggaaccc cacattcaaa atcctgtatc agtcaatata 120
 tgctgaatat acaacatgca aacacgtaac gccttacggg aatggaatat agcttttccc 180
 aaaacctata ccatcatgac aaaaaagcgg cggccaaga tttagaggag cattaagaca 240
 cattatcatc taaagaacag atcaactcct tttcaggccg cta 283

<210> 36381
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 36381

tattgagttt agggtagaaa acaactagta tttaggaagg agcaatccat tcattcttat 60
 ccaggaaaac aatactcact tagtccgtat atataaatgt ccttgcatga cgtaccgcaa 120
 ac 122

<210> 36382

<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36382

aggaataagt tgaaactgag gactttgcan nacgcgacac tatagaaact cacgcggcca 60
aatgatcgg ccaaacaaga ctttttcttt tagttcccac gcaccacacg aggacacggg 120
gaaatttgca gccaccactg accccctcgg accacaatgg caaggacacc cgaggagaca 180
gaagattcag agtcccttat caaagctcag acggaagaag cccccacgac catggtatga 240
cgctcggact atcaagaaga agaagaagag ggactccctt ccctgccttg aaaaactcac 300
gatcaccctt gtcacacgag tggaccaacc ctgatcttct cagacgagtg tacacataac 360
gcctctaggc tgggcccaca cgaaacatgg gtcggcacac tgccgaacag aacaaagcga 420
cacaccgaag gaccatatag ggcgccaagg cggaaccc 458

<210> 36383
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36383

caattccaca gaengccctg gggaatctaa agatgtaact ctccacacgg ttcttgaatt 60
tctcaaactg gtcttaagtt tttctaaaag ttataactct tctaaatggg tgtcttgacc 120
agacatgaag agtctataaa aacaaggctt tgttttgcat tacaattatc ttgaacactt 180
attcatacaa tcctttacaa gccttaaate tctttgaaact tcttcttctt atttgaacca 240
aaagccttct gaagttttct ggtctcccaa agcttgaaaa cctgtgctat tcattctttc 300
attctcttcc ccctttgcca aaaagaattc tc 332

<210> 36384
<211> 358
<212> DNA
<213> Glycine max

<400> 36384

ttataaaaag acttgcttct tcaagccgag gtttttacct ggcaaccact agcactcggc 60

tgggattgtg ttcttatttt ccttgcataa acgtacatct tctaagctcc attttcttga 120
 agaattatcg tctataatc acgtaagtga tcttttaaca ctactatctt tactatgaat 180
 attatgacga aacttagtaa ttaaagatga ttgttttaca aatgtatatc aatgttctaa 240
 cactaaactc ttgatatatc aaattcacac gaaaatatat atttcggatt ctgaaaaaat 300
 tcatactttt gttgaaatct tactgctatt aactcaataa cattatctta ctttcctt 358

<210> 36385
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36385

ccgcccacaa gcgaaaaagg atnttntttc aanaatcaaa ggtgagaagc aangnaacnc 60
 anacaacgaa aaggagggggg tggatgagca tgcacaccan cnnanaaann naagacacgg 120
 caaacaaaag ggaaacaaag aagagaatat tattttaaac gaaagggacg acggaggagg 180
 gaggggacga gaaaacaaac aggagcaaaa aggacaaaag gaagccacaa acaagacgag 240
 agacaggccg aaaaacaaaa aggtgggagg cggacaagag acggaacagc gagggcaaaa 300
 caaagaacag gggaagagcc cgacagcggc caaaggaaga gaaaccagac acgcgaatgg 360
 aagggaccgg aggaaagaaa gaaagaccgg agccaggagc ggagaagcgg aacacgggga 420
 acaggggacg aaagcaaagg cacggggccg aaggaaagac aaactaaaag gaagaaagaa 480
 aaacc 485

<210> 36386
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36386

ggccctcanag aggtccagga aggacaaggc ggccgaagga acatgttctt ccccgagta 60
 cgacagtcac cgcttttagga gcgttgtaga ccagcagcgc tttgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg attttcagga 180
 ggaaataggg cgccggcggt gggcaccact ggttactcct atggccaagt ttgatccaga 240

aatagtcctt gaattttatg ctaatgcttg gccaacagag gagggcgtgc gtgacatgag 300
 atcctggggtt aggggtcagt ggateccgtt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtgttggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
 tgatgggttc gatga 435

<210> 36387
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36387

gcctcgccca caccagcgta cgccacatng acgggaagga gagggagaaa acgatgaanc 60
 aaagaanaga aaagatgtta taaaccnccc ccaagcncgc aaaggctttg aagcatacca 120
 gnacacgcga nncatanaac gaccgcagcc tgcaagcnag aaagaaacac caaagncgaa 180
 gttaacaatg gaccacgcg gaaaaacaaa agcgaaagca gaggacacaa ctgcccact 240
 ggccgacacg cccacgaatg ataaagcacc gcggagaaac agcaggacca ccgaaacaag 300
 gggcacagac aggagaaagc cggaacaaa cacacaagca aacccaaacc cctgcggcac 360
 gaccacgaac acaaaacacc cagcaacaa gcgaaccaga agaggcgcg aaacaccaca 420
 agacacgaaa cgctcaaaac ggcaagcaac cgcagcgaca acaagcagag cagggcccca 480
 cacaagccaa acgcaaagca cacacaaagc ccccc 515

<210> 36388
 <211> 228
 <212> DNA
 <213> Glycine max
 <400> 36388

accccttcca ctcgcatata gaatattatt ctagaggttc tctctcacat tgacgacaaa 60
 taaaactcac ctgttaaggg aaaccatgca ttaatatcac tgatagatta tcaacacttc 120
 cgatttcacc acaaaaacct ctataatgta caatcacatt cacaaaatgt catacaatta 180
 tctcgcgaca taataccata atcacatctc tactctgtta caaaacct 228

<210> 36389
 <211> 240

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36389

agctttgcat aatgagaatc tgttcctcta ataaactctg caacttanca tctgaagtct 60
gggagctttg agcagatggg gttgttgata ctggcgaaga gggaaacacca gctgctctgg 120
acctggtttt ccttgccctt ggaaaattaa ctatttggtc attcacattc caacatttgc 180
ttttaatata ggccaagata atgaccagcc tcatgctctt gttagctgta agagcatcag 240

<210> 36390
<211> 461
<212> DNA
<213> Glycine max

<400> 36390

acctatagaa actcaagctt gagcttgccc tccattatga gcatggagga gtttgtctca 60
tttgtggcct ggccaggaga ccagtcttct ggctctatag ggggtggggc ctccacaacc 120
caggagcctg tgactaagga gcctgcagca gaggaagaga ccaactccage tcagactcct 180
cagccatctc caccatctga acctgctcct gacgagactc aaccatcacc agcactggat 240
cttaatgaag accagccaca ggaggagcag gacgtttaat tttttttttt tgcattatga 300
acacttttagt tttatttcag ttattttatg ctttatgtca tttaaatttc agcttttata 360
tttcagtagc atagttgttt gtttgcttga acaaaaagct tgattgaaca gtgaattgat 420
tgaacattgc atgcagtgga ttgtttggta tggaatgagt g 461

<210> 36391
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36391

ccccacaccg caaacgacgc aggaaaagga taaanatgan gttaaaggga gatagagacg 60
aaaacaacaa aaannntnna annccaacag cagccacnt gatgcagcat agaagaccgc 120
agannccaaa acgaccgagg cagcaacgng cacaaaagaa acaaagccgt tagcacaagc 180
agcgcgcccc aacgggggaaa accacagcca acccccaccc ccagggcggc ccacagaaaa 240

<211> 135
 <212> DNA
 <213> Glycine max

<400> 36394

cacacgtact gccaaaggtgt attagttact tacatcacac acatatcctt ggctaaattc 60
 acatacatgc atactcaaag cattttgggg gaccaaaaat tgcacatgtg cacatctagg 120
 tattcataat accta 135

<210> 36395
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36395

ccgccccct ttggatttga tgcacatggc annancncan ccatanagaa cacaagcccg 60
 gngcgcagan ccacagagca ggacgaggca ccattttaat taccctcgaa ggcaaagacg 120
 accggacacg ggaggattat acgaaaaccc ctctcgcaag accagaggaa actcacgcag 180
 ataatgacag atcacccaaa ggagaccgaa gactcaagcc gagaaccctc taggaagacc 240
 aggccctagac taatcacgaa gcatggaaca acgagaacaa agccgaaaact aaacacgcag 300
 atccctcgag agagactaac gggcaaaccc gcatggacca gagggtaaag cagcaagaca 360
 cacgccgatg cgaaagggac gcaactatgc acacgaacgg gcggagcgga ccacaggcac 420
 accaacagaa cgcacggacg aggcatgaac acaagaacca agcaaggcag ggacgcaana 480
 cccg 484

<210> 36396
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36396

aaagcccacc ctaacgcata caacacctta tcataagtag aataattaag ggtaagacca 60
 ctttaactttt cactaaaata agcaattgga tgaccttctt gcatcaacac agccccaatc 120
 ccaacatttg aagcatcaca ctcaatttaa aaagatttta gaaagtctgg caatgcaagt 180

atgggggcat tagctagctt tagcttaaga acatagaaat cttcttctag tttatctaca 240
catctcacac caacattttt ttagcacttc attgagaggt gctgccaatg tgctataatn 300
ctacccaaat cgcctataaa accttgctga accatgaaaa ctcc 344

<210> 36397
<211> 358
<212> DNA
<213> Glycine max

<400> 36397
agcttttata ttttatatgc aaggaagcat gacttatgcc taggaatcta aattttgggt 60
ttgaatgtaa aaaggcatga atattaggac atgtttgaga ggttttatta gaatttaa 120
ttggctgccc catgaggaat accttgccacc tacgtagcat ggaaaatacc tttcaacggt 180
atgtatatat gtgaatgtat atggcataaa aataccttgc aaagtgtgaa tgaatagcaa 240
aaaatgcctt tcaaaatatg tatatttggt gataggtagc gtaaaaatgc ctttcaaaat 300
atgtatatct gtggataggt agcataagga gctctctttt tttttaaaaa aatgtacc 358

<210> 36398
<211> 207
<212> DNA
<213> Glycine max

<400> 36398
ttccatacca ctaaacttaa ggtcgataat ggaacgagat gataaaaagat tggagtaccc 60
tttctgctgg acgaccgaat aatacaatgg ggaagacgac aatgaggatg gaatgggtgc 120
taaggatgcc ctaaaggctc ctgaccgacg agcacttgaa gccgtagcgg aggcggaaaa 180
accctttcat ttcttagaca attctgc 207

<210> 36399
<211> 352
<212> DNA
<213> Glycine max

<400> 36399
agcttttttaa ttctcatgac tgcttttaa at agctacataa tttgggattc ctatgaccaa 60
gaacatcatg acaattggga ttcataatgt ggctgtttg ttgaatgttg ggcattgcat 120

aggtccttgg accaaatddd gatgactatc tttaatggte tggtaaaaga ggctaaattd 180
 tttgcaacat gcaatctacg ttagtgcaat tggttgaagg taacacatat ttaaggtdtd 240
 ttgggctcag cagctgattt ggaataagaa taggtgttdc acttdctgttd ggtgcaaaag 300
 caataaatca aggggtatccc taacagagag actgagagat gaggtaactt ta 352

<210> 36400
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36400

acactttaga aactcaacct ggatgttdctt agattggata tcttgcccaa cagacangtt 60
 ctdctatatt tgaaaaacca gacccgagga gggtdcaaga tgtcgagagt ccgtcttdca 120
 tgggcacaca cacagactgc atgcgcaata atttggaga accaaaaaca gataactctt 180
 tcatggtaat ggctggagggt ataatatgac ttatgttdtdt gcgttdtdtgc tcaatgcctt 240
 gtgttdcatt attgtagtdt gcaacatcac aggttaaaat ttdaatctag catttgggat 300
 taaagcatta atagcctctg ccttdgttdat ttdtggtdtdt cagtatttdat ttgatttaac 360
 ttccgttatg gtatctagag cctcatttdgt tataaataag atgacaaatc tcttdtdtdt 420
 ggtcg 425

<210> 36401
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36401

agcnttagga aaaccaagcc aaagagctgg ctgcattatg ctataacagt agcaatggaa 60
 atgaaaagag caatttdggac agtdtdggtga aggccatatc tggagtatct gtdgctagtc 120
 aacctgaaca tacaaaggte agcaaggcca aacagaggcg agagaaaaga gctcaacaag 180
 aagcagaaaag ggagcagaga atccaatcag agcagagtga cattataagt gatcgtatga 240
 ttgagaacga gaaattggaa aagaagtdga agcctcttdg ttdgactgtd tgtgaaataa 300
 agcctgatgg gcactgcctc tatagagccg tggaggatca gctggccctc 350

gtgnagncta taaatcctgt cagcaggccg atgctacagt tactgggtat ttcttccatg 120
 ttcattgcat cgtaagtttt aacaaactat tcatgatttt acaaagtgtg tgtgtttggt 180
 ctcaccctaa gaagtactga atcgcttctc cctcttggat tcgcattgag atcttgtcaa 240
 agatagtaaa tgcttagtta ttgactattg ctcacaaaaa tgattattct ttgggggtata 300
 accacatggg ctttttgact ctcatgatat ctatctattc cttattaata ttgcaaaggc 360
 tagcctcaaa caatcatgtt gcactgctga tctgctaata cacattgtta atat 414

<210> 36405
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 36405
 ttgcttttaa tcaccatcgt acctccaaac ctatatacat ccactcactc taacaacaat 60
 ctcacagcct gtactttatt tgtatttact aataacttat ctttaaaatt aattaagtct 120
 aatcatgaga aaattaaaaa atcttaatca agtgaattta ttgctatttt gtgattgaat 180
 tttaaatata aatttaacta atacctacac tatgttgcac aaagataatg taaatatgta 240
 ctgacttata taggcaaaca atgcaatttg tgtgatgatt aaagtgtgat taatagtaat 300
 taatcataat acctttgtgg aggattgagt tc 332

<210> 36406
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 36406
 aaagttattg gcgggggaat ttgctcagag gttcaacatt caatttcgag cgtctcgta 60
 tattacagga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 120
 gcttcaacat tcaatttcga gcgtctcgat atatgacagg acgcaatcag acatccgagt 180
 aaaaagttat tgcgttggga attagctcag aggttctaca ttcaatttcg agcgtctcat 240
 tatattacag gactcaatga gacatctgac taatacgta ttgtcgtttg aattggctca 300
 gaacttctac attcaattac gagcgtctcg atatatgaca tgactcaatc agacatccga 360
 gtaaaagtta ttgtcgatat aattcg 386

<210> 36407
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 36407

agctttctct aaatttacat tgatgtttgt atttatggga ggagggtgta tgtcattttt 60
 gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttgcgaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
 agttccgctc cggagtatga tagtcaccgc tttaggagtg ctgtacacca gcagcgcttc 240
 gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagctcag ggacgacgag 300
 tatactgatt tccatgagga aatatggcgc cggcgggtggg c 341

<210> 36408
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36408

tcttgcgtag ccgctcttgg tgctcagaac atcccaaaa cttatccctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caactttcaa attgttgttc gttccctctt 120
 ttgttttatg caaaaaatga aatcaatatc aaacaaaaca tgcatacaat tgtcatcggt 180
 attgctactt gaaccataag gaataccatc taaagaagta cttcaaaaacg tttattttatt 240
 ttttttggtg ttttttgaat tacaatttga cttcaatatc taatttttta atgtacttag 300
 gtggaggatg ttgacgaaga gaacgagaag gaagaaagta atttaaagaa gattaaggaa 360
 gtgtcacatt ttttttccct cagcaaggaa gtgtcacatg aatgctcggt ggtgaacaag 420
 cataaggcca tttggatgac agagcctt 448

<210> 36409
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36409

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 aaannnaggg gcgggacgag tgaatcagca tgcaaacaag cgacacgccc gggaccgaac 120
 aagaacgaag aggaacttta tctaaccana acacacccaa acaggacggc aaacacgaca 180
 aaaaacgaag acggaaaacg aggaaaacca acaacaacaa cacaacagcg aagcaaggaa 240
 atagaaaccc aagagaaaca aaccgcagaa gaacagaaga caagacaaga aagaaacaaa 300
 aaagaaggaa aaagatgaac cgaacaaaca caccgcca caagcgaacc agaacaaccg 360
 aaaaaaaccc gcaaccaaga acgagaagaa cggcgagacg aacaaccaga ggggacg 416

<210> 36410
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36410

cgtggggcat atgtacttta agtgagagag aagatattta aatantggaa taataattaa 60
 tattacgagt aaataacata tacaagatg attaatTTTT acataatcaa tcacatatta 120
 tcatataatg taaattgatt gatagtaata ataaaaatat aaaattcata ttaattatga 180
 tttaagttct aaacattata gatgatatga taaaaaaaaat gtgtataaaa atgagaaatt 240
 aagcaataat gagagaaaat aaaattgaat aatgaaagag agaaagagtg tgaccgtcac 300
 agcttccaat agattgggtg tgtcgtgcaa gtacttgagg acccatgtta gaacactcgc 360
 tgtgggtgtca tgtgcagcaa agatgacacc aatgagatta tcaacaactt gagaatctgt 420
 gtgctgctga tagtacatct tgttc 445

<210> 36411
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36411

agtnttatgg aggacaanac aacgccgctc tccgggatct taaggaaaaa tcaactccact 60
 tacggtgacc gatcctccgt taacatcgag actgcacttc atccaaaatc cgaccacggt 120
 tcccaatgcg tgtatgtcta cacaacgtga cctacttgat actcctacca gagaaatcac 180

<210>	36412
<211>	295
<212>	DNA
<213>	Glycine max

<400> 36412

cattccaact	actatacgtg	aaagctcgga	gagactaagt	gttaaacaat	actcgggctt	60
ctgagagata	gggggagtc	aatgccgtgc	ctgaaatgga	atttagaaca	ctcgataag	120
cggcaggcca	gaatatatat	atagtaatcg	agatgtgaca	aatggtaatc	ataactcatg	180
tgtaaggaa	aactggacgg	aactcaaagc	gaaggaacta	cttcaaggaa	acagattcta	240
catcgatcat	acgcgataca	taagggattc	tattagcact	atctgccctc	cttgt	295

<210>	36413
<211>	420
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      36413
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ttcacaacaa	agagaagaga	ttaatgaatg	atcgaagana	tcatttttttg	tggatgncnc	60
ctccacctgg	ggaacgtgac	aatcactaac	acactcatct	catgctctca	tgatggcttc	120
ctctttaagc	tcagttctct	gccaatcttt	gcacaacaaa	agctctcaaa	actctctgga	180
acttgacct	ttatctctct	agaaatctct	aaacatgaaa	aatctttgag	aatttcttaa	240
actccctctc	catttctgat	ttcaggctta	aatatgtggc	cttgttggtg	cttggtgcgt	300
tagcgcaagt	ctggctcgct	tagtgcccat	aagtgaatat	cggcttaacg	ctcgtcttct	360
cgcttagccg	aatcatgcag	gtgggtgcgt	tagtacgatg	agtccttgct	tacacgtgtg	420

<210>	36414
<211>	435
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      36414
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gagaggatgc ttcantggag gaaaagagag agggagagaa atagagtttg gggagcacga 60

aatcgaagga ggaaaagatg tatagaagtg gaactctgac gtatgtctca caagactctc 120
attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtagcttcct 180
tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
gctagagctt agctacacac acccctctca taactaagct cacctccttg agaagcttcc 300
ttaagaagat tcaagctaga gcttagctac acacccccta taatagctaa actcactctc 360
atgactaaaa acatgagaat aatataaaac agagtcctta ttacagagac aactcataat 420
gccccgaaat acaac 435

<210> 36415
<211> 622
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36415

cgcgcacacg ctctttgaaa tcgatgagcn atagcnanna ncgngacacn atagaggaca 60
tcnagcctcg cgctctctct tacancctgc agtatgtaga agcaagattt ttcacagtag 120
tatggnaggc nngagcacia gccgcggaac cgggagatct tcttatagag gaacgctgct 180
ctcactcctc cgtctcggca gacacaaaga gctcggcaag ttttgcaact agcgctgata 240
tgaatcatag cttgtgtcac tcggactcac aacaccaact cctttcgggtg aatctctggt 300
gcacgctcgc gcgtgtacag aaaagtttct catagcaaca gagaacatcg atataacagg 360
gagacgcacc tactcttga ctctctacta aagtgcata ttttcgaaag taaaagtatg 420
ctagtctagc acccggtggag catgtctgtg acgacatgaa acgtccatgc caacgtgagc 480
ggccagtgca ccatatggga gaaaaaccag agagacacac gtgagacact tagagcgggtg 540
gtgcgcacac ttggagaaca gagtcactta tacctntcga ctctactcag gtccaaacga 600
gcgtatccgt gcatctcacc cg 622

<210> 36416
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36416

agcttgactt aacttgnaa aataatccga gtggagtttc atatttgagt ttgtctattc 60
aattaaatat ataaatttga tcgaatatat tatatttaac ccgattcatt tacatcgcta 120
ttcaattata tgtaaactta tctattagat ttttatcacg ttaatatata aagaattatt 180
attactagaa aatttttaaaa aatattaaaaa gggagtacaa ttatataaag tgtttatcag 240
atcaaattga ttcgataaat ctgataattc aaatcaaact aattaaatta gtttgggttg 300
attggttaat tgggttcgttt tactttaatt atgaacacaaa ctgatt 346

<210> 36422
<211> 361
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36422

ttgcnttttcg gcattgcaaa caaaatacgg cttcgtggca ctgaaattcc tgactctcga 60
attgttcaaa aaatacttgt aacaattcca gaaaaatatg aagccacatt gacttccttg 120
gagaactcaa aagatctttc tactatcacc ttggcagagc ttttgaccgc acttcaggct 180
ccggaacaaa gaagactcat gagacaagaa ggtactactg aaggggcttt ggtagctaaa 240
tcactggaca aaaaaaagaa gggcaagtca cgaagtcca accacaaaaa tggtagcaaa 300
tcctctcatg attttccatc atgtcctttt ggtaaaaaaa acaatcatct acagacgaag 360
t 361

<210> 36423
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36423

ccgccgccga caaaaaagga agtagaaagt taaaaaaca aagaaaaaga aaagagccaa 60
aaaaaacggc cagagacgtt gatcgtgctc accaggcanc ggccgggagg aaacgaacga 120
ggggacctgt ttaggaccca gccagcgggg gcaacgacaa gccacgaaac cgcgcaaaaa 180
aaccaacaca aaaacgacgc gcggcgaaaa caaaaagaac cagcgggacg cacaagggaa 240
ggggcaaaga cgaaaaaagc ccacaacgca gaggaaggcc gaaacacaag gaaaaagacg 300

agcagaaaag gaaagccgag acagaaacgg gcgggaacgg ggaaaacgca gaaaaaaaag 360
gagcagccac 370

<210> 36424
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36424

tattggaggg agaattattca atccgaatca tggtaacnttt tgtaacgaag aatcttttttg 60
cggcttttag atgaggacag gtacgagcct ccataaaagcg acacacaact cccaccgcat 120
atagaatatc gggcctcgta ttggttagat accttaaact cccacaaga ctcttgaaga 180
ccgtggagtc taccttctct ccttcatcaa actttgataa cttcaagcca cttccatag 240
gtgtgttcac gggattgcaa tcaagcatat taaatttctt caacacttct tttgtgtagc 300
ttccttgtga gacaaagatc ccattctcgg tttgcttcac ttccattccc aagtaatatg 360
acatgagtcc catatctgtc atatcaaatt cacgagacat ggactccttg aagtcttcaa 420
acaaatttgg gttattg 437

<210> 36425
<211> 371
<212> DNA
<213> Glycine max

<400> 36425

agcttgtgct tttctattga gtgacttgat gcaattaagt gtttttctct atttaagatt 60
gtttctgtgt tctatgctga gggcaattgt accacacacc gattcctcat gtgaatggac 120
taattctatt taaacctcgt tctcagatgt ctgcgcgaac ttaacctaaa cgaattgcat 180
tacgattaca acatattaaa aactaaaacc ctacactctg tgtccagtaa tgcagttatc 240
tagccctgct ctatctaatt ctaaggattc caaacatttt ccaatgctaa aaatcctaac 300
tttacacaca aatggatgat cagacaaaaa gcatgcaaga attaagtga gataggagca 360
atgaacacat c 371

<210> 36426
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36426

gaattgtata atatatatat atatccatgn gggttttatac gattntttta catacgcgtt 60
aattttttat atatgatacc cttacatgaa tgggtcaaacc tcaaattgat tttttttttt 120
gtatgaataa ctctcatggc ttggattttc tgatttttagt tataataatt aacaatatgt 180
gtgtgagtgt tagatagata taagagttat tattcaaagt ttttaatat cttaacggat 240
ttgcagcggc aaaaatgttg atacgtgtca taccctgatt tcgtccaggg attatcgttc 300
gttgatcttt tgatccttgc tagtcgactt acgggtactga tcgccagtta caatgcgaaa 360
tagatgatca ttcagtgttt tgattaagaa tgcaaaatat accaaaatag gggcaaaagg 420
gtcttttt 427

<210> 36427
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36427

agcattgata atcaatttcg agcgtctcga tatattacgg gactcagtca gacaaccaag 60
tgaaaagtta ttgtcgtttg aatttgctca gagcttcgat attccatttc gagcgtctcg 120
atatattacg agactcaatc agaccaccga gtaaaaagtt attgtcgttt gaatttgctc 180
agagcttcgg cattcaagt 199

<210> 36428
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36428

gagcatatgc aaacgacaat cacttttttta cttggatgtc atantgagtc tcgtaatatg 60
tcgagacgcg tcgaaattga agaccgatgc cctgagcaaa ttcgaacgac aataactttt 120
tactcggatg tctgactgag tcccgttaata tatcaagacg ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga caataacttt ttacttggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaacg acaataatTT 300
 ttactcgta tgttcgattg agtcccgtaa tatatcgaaa cgctcgaaat tgaatgtcga 360
 aactctgagc aaattcaaac gacaacaact atttactcgg atgtatgatt gagtcatgga 420
 atatatcgag atgctagaaa ttg 443

<210> 36429
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 36429

gggtctgcta ctgaacaagg cgaactcgcc ccgggaccta acacggcctc ttactcaatc 60
 ctagcatatc caatacgagg gagataacta tcctgaatgc acaaatgcta ctcggattat 120
 cctgataaga atggccagaa gggcacaat aaaagagcgg aaacaagctt ctaaaataag 180
 agccccgggac aaagttaccc aggtagaac ccc 213

<210> 36430
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 36430

tgctaattct ggtgtgcaag actatttata atccctaaag tcagaaatgg atccagagat 60
 ggaatgtgtc actattgaaa tatgaatatg aaaaacgttg agaagaaagt ttaaaagcag 120
 ccaaattgga atctataata gttcctactt gtgacttggg tgaaaatgaa aacagaatga 180
 acatagcatg taaaagaaat ttcaaaattg agaaatcaag aagatttatt tattgttttg 240
 gaaggaagaa agtttgggaa gagggatatca agttgtccta ttccttaatc agagtaccgg 300
 tgaaggccaa ccagcccaa tacottgttt gacaagggca aggcaattca atcttaccta 360
 ccaaccttca catggccatg tctagaaatt cttgagcctt acgcaaaatt tttgtttgag 420
 gcataatcta a 431

<210> 36431
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36431

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ccgagagcat ngctcatttg agcgttacag cctnttttnc tttgttgctt aagaaaaang 60
ccatcgcgtc ttctttcttt cttccaaagt catctctaac gtcccaagca ctttctccat 120
caccacagc cacgattagc caccacaaac caccgttggt ctccattgaa accccacacc 180
gaggggaacc cttcaaccgt agtgaaatth tccaacttgg ctagcgattt cggtagagaa 240
tgaaacccta atctgacctt tcatttttct ttgaggtaac catgattcca tgtttgtttc 300
agcttgcttt tgcacttttt atgacttttg aaccaccatt gcatgttgta cgcttccttg 360
gtaaaaccaa aatgctctca gctctttcat gaagtaacat ggggtgttga cccagagcat 420
tg 422
```

<210> 36432

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36432

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ctgaaatnga gggttgggga tttgcctgn atntttctat ttattacttt ccttaacacc 60
cttgtgttca ttatgttcga taaataaaaa tacttttttt ttttttgta tgtgcatgag 120
agtttcaatg ctagttgtca cacaaatgta ttacacaaaa gtacctatca cataaagagt 180
ggctatgcaa ttcagaatgc atcaagaagt tttagattgt gtggctacat tctttggaac 240
caaaggcatt gcatggaaaa attactacat acccatatct aacgggaatt tctatttacc 300
tgcttgcttt ttttgaggga gatgtcacca catgttatgc aggatgggtgg aagtagtcaa 360
tattgtatca tcatcatgga ttttcgcaag aatattactc ggtgaaagag cagtctatgc 420
aatgat 426
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<210> 36433

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36433

taccaaanca caaacctcat ataatgtaga acctcatatt tcatcaatta attctattta 60
 atatattata ctttctaaaa tcagaaaaaa tatgcgtata gcatttatct aatatttgag 120
 atgtttcatc aagattaaaa tatcccataa tttacaatt aaaatcattt gatttatatt 180
 ttataaaaat tattaagtag aacatgtgtc taaaatgttc tcctgggtgca tcttcctaatt 240
 gtgtctaaaa ttatatgctt caaacacaat ggtgagtcatt tttgaagagg caaatcttaa 300
 tacagtttta caagtgtttt gagtgttgc aggcgcacca ctcacat 347

<210> 36434
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36434

ggagagccac cgcgcggtgg ngatatgagg ggacaaggac gagccaaagc gaaagcggaa 60
 gccatgaatg atcgaaataa agctaatttt aaaaaatgtt cttcatatcc caaatcaaca 120
 aatcttgttt ttgtgcaaaa acttacaaat ggcatatctt gcatttcatt tgttataaga 180
 actgtgtttt ccaggataag gaatagtggg ggaatgatcg gacgtttctac agaagggaat 240
 ggcctttatc ttcttgagaa gcaatgtatg tcggctatag aaaaaaacta gtctcattca 300
 tgtcagagtc tctacttcca acaaggaaaa gatttttact ctttcattat cagttaggac 360
 atccctcttc t 371

<210> 36435
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36435

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 tctcctctct cttttatata tttagtgtgt taaggcattg cagacaatga ttattacatt 120
 gtctatgctt ttggcaaaag catatatata taactcaagc tatttggtta gtagctagta 180
 acagatacta tatatgcagc ttcagtagta ttttgaattg cactttctta gtttctctga 240
 aaattacatt ggttttaggg tccaatgcc ttagttagat tgccctacact gtcggttcat 300

agcagcgttc agttttattc ttttgtactt gcancactta gaaatttgac caagaggcaa 60
gagngnaagg aaagaaagaa anacaggacg ctttttgcg tttctccaag cacncagnaa 120
cnggagagcg gggcgagctc aacaaagcca caaccaggca agaccgcnaa naancgccng 180
gacagcgagg aacaaacaga gccagcagca gaagaccgcc naagcggaca aaacnaaacc 240
aggacccaac caccgaccgc aaagagcacc ncgcgcacgc gcagccgaga ggaaagccac 300
aggggcccgg gacaacaaaa gangangan cagagccaca acgacagaca ccccagcagc 360
gaacagaacg ccaagagcag caagccagaa agaccgcgaga aanancgcgg aaagccagga 420
ggagcccaac cgaaagggac nncgacaaga ggagagcccg aacccaaacc cg 472

<210> 36439
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36439

agcnttanca tgatatgcac tctatctctc aagtgtctat gctattgttt actctcaaag 60
caccatgaa aactgtaaca tcctagaaat ttctaccgg agttttcgga aacgatgtat 120
tttgaatgat tatatatata taagtattat tcagtgtata tgcaaatata tgttcttggt 180
agaaatagga gtagtggggg caagatacgc gggttaggct aattaaggaa gagaaatcca 240
taactgggag gttatggggt aattcttaag taattagtct aaaaatcatc gttttgcatg 300
cgacttaaaa tttaacgaaa ccaacctctg aaccacgctc ggggttt 347

<210> 36440
<211> 243
<212> DNA
<213> Glycine max
<400> 36440

gttgcccttac actcatcggt ataccataag aatagtcaca ttatgttcta aggatgtgtt 60
gaatattcat tctgcggatt gaaatctaga aacatctttt catgtatact agtctttctc 120
tcctatatt atgaacattg aggctaattt aagcaacgaa ttcagttcat aacatgttct 180
aaaactattc ttagatatga gctttgttag agaactcttt cttcttttgt gatctcta 240
gta 243

<210> 36441
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36441

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 gggatcctta agcgactgcg gcatgcaact tcgctttgct taagcatcga agcagtgtcc 120
 ttcaacacct cttttgaata aatcatcacc tagaatcaca taattgacaa ctctatcaat 180
 tgtcgattga ggattcttca agtattcaaa taaaagttta cgccaatcat ctaaagacaa 240
 agtaccaatg ttgagaaccg catattcatc aagtaactta tcttttattt aaatttctct 300
 ttagatatcc tatatcttga agctatttga gctaactcat ttgctctaac atttcaatct 360
 ctatgcacat gtttgaaagc aatgtcatta aatctcttta caaatctaca tgctcgagta 420
 aaatatttca ttaaattaga acttatgn 448

<210> 36442
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 36442

cgcgcataac agcgggggatg ccaatgacta ttaatttttt ttacttaaaa tcccatttac 60
 actagtaacc caaaacacat actaataatg taataaggac ttgaattagc ctttttcctc 120
 tcttaatcaa ttcaaactat tatactgtat ccctatgtgt aaaagaaatt ttgatagttt 180
 gttaaagaaaa acgtaattaa taataagctt ttggtcataa acttgaaata caattcatat 240
 tttaaaaaat atttatgtgt atgatgaatt gtaagtatga tataacgtga tatattaata 300
 aaatatatat gataaatata a 321

<210> 36443
 <211> 816
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36443

ccacgccagc gcnogantac naantanaca gnacgtgaaa agtatnnngt atnnttnant 60
 tttcnnnaaa atnaaaatga atnaantaat agaagaaagn gaagcatact ccantacaaa 120
 gcnennnttn nanannanng nannagaagg gannccnca gcagagcgcg gnacgttttg 180
 acantttggg anngacnant acgccnnana ncccannann nnnnnaancn nnnngcnncn 240
 cacggggggcg anacacganc gaaaacgaan gcacacanag ccagcgcgaga cagcgacacn 300
 tntctatgca ttgctatata ctacacaaat gacctgaccc gccacacgcg caacacgaca 360
 gcgagaaatga cacgacgcac atcgacagac acagaagcag cagngagcca aagaacctaa 420
 cggagaacaa cacacacacn acacgtatgc acgcaacgcg ggaataaagc gaccgcatag 480
 ctcgggagcg gcacccagac cacagggaca cgcacaacct aggcaccaa ggacaaaaga 540
 atacagatcg cactacacaa aatactcacg agacacgccg acactttctca acgaagcgac 600
 agagacgacg atacactata catccagcaa cagagtacac ggagtgcgcc gcacacgcca 660
 gacagcaatc cgcggcctcc gcgcgaacat caaccggaca caggcccact ccanagacag 720
 aagaangaca gcacaacacc cgccgatact aaaggcacga catcatcaac gctaagagaa 780
 agaaagaact gtgacgcaac cacantactc gacacc 816

<210> 36444
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 36444

acaccattga gtacacaagc ctccacaata tccaagcaat gcaatatcca aacatcatga 60
 accatectat ttcaagaaaa cagggcagag gcagagaact ctgccccaaa cacattccaa 120
 tacaacagct ttccctactc aaatacccca gtaacattct ctttgttccg attcgttaac 180
 cgttggatcg actcgaaaat tttactggag gtccttagta cataattcta cattttgacc 240
 gttgggatct gctagaaaat gttcataacc caatatgtac tacctttccc ataaccagca 300
 atgcacaagc attttttgca caagaacaaa aattctgctg cacaattcaa cagcaatttt 360
 ttgcataata ggcagatttt cgaaatccct cttgccctca tccaattttg ctcaaattgg 420
 atcctacaag tcctaaatca tatataaaat gtatttaaac caaaaaaac tt 472

<210> 36450
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 36450

gcacaagggc caccgaaggg gggtagatcc tgagaaccac tcatgactga ccctccaaag 60
 tgaagatgcc cagattgcaa ctatgggcca caaaattcga aaagctgaag atgaaggagg 120
 aaaagtgtat tcatgacttc cacatgaaca ttactgaaat tgccaatgct tgcactgcct 180
 tgggagaaaag gatgacagat gaaatgctgg tgagaaagag cctcagatcc tcgcctaaga 240
 gaattgacat gaaagtcact gcaatcgagg a 271

<210> 36451
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36451

tggaacttng aaaagttgtg tctttataca tgccctttct cttgattggc attngnatng 60
 anagggggcat gggagtctct atcttantca tatgtaaatc atgcatcatc atgtagtgtc 120
 aggaagattg tttctaaagt tagaaacatt tgcagtgcac aaaattctct gttttaattg 180
 attttaaggt tgctcgcaat cgattactta agtggttgta gcattcagtg agatttctaat 240
 ttcgatttaa tcgattacca gttattcgta atcgattata caatttagtt gagaccatgt 300
 ttgggttttc atgagtctct actttaatcg attactaggt gatcgtaatc gattacttca 360
 ttcttanatt tgctccaaaa gtgatcaaga tcactctaata cgattaaatc aagaatctaa 420
 tcga 424

<210> 36452
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36452

tcatttcgtc taacctacta tgtctatgan gnnncttatn gattggcaaa gtggtgacct 60

aatcaaggta ggaggaaatc ttcaagtctc cgtgccattg ttttagatct cactgccatt 120
 tcaactgtttg ggtttgaggt aagcttgggt cgtgcctttg tacatgttca agttgtttgg 180
 acttaatctc tagtcggctt tttgttttca atgtatttgg ttcaagagcc cagtgcagtt 240
 ttgtacatgt ttaatcaata ttgataagga ttatgaagat tagtgttggt tgaagggatt 300
 acatattgaa gttgggatat gtcgtcttgt ccagttaaac ctacgtgtta tgattgggtca 360
 ccctggccgg atagtctggg tgggtagttg tgaactagtc aactagttgc tgtgttgaat 420
 tgaatg 426

<210> 36453
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 36453

agctgtctcc tttttctcat tttatgcata acatgcaagt tcatatttta atttaacggt 60
 tactaacaag actaaaatcc gtaataagat gaaaaataaa ttctcaattt aatacttatt 120
 agtgtatatt taaaagaaag ctgccaaaaa ttagtaatta ttgattatca ttgggacatg 180
 taagaaagac attatgtgtg ctttttttac tgagacaatg ttatttggtt taatagacta 240
 ataatgtaat ttaacatatt gaaacatcaa attataaata ttctgtacaa aattaatggg 300
 atatacgtgt tggatgtatc tattcagcat aaaaagggtc ttggatgt 348

<210> 36454
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 36454

tacctaggag ttctacctga gagtcaaaaa ctctctttat ttatcttaaa aaaatgactc 60
 tgtgtatcaa tgttcttatg gtcatagtgc tatgatacct gttgattagt tgtttttggt 120
 tcaagtgatt ttgtatatta tggttcatgg ttctggactt catgattggt tgtaaaaaaa 180
 tagtaatatc aatctttgat gagaggggaa aggatgcata gatttgaatt gagtgtttgt 240
 ttctttctta ttcaggaag agaccgagtc aggtgagtgt gagacaaggg attcgtacag 300
 cgattcctac agtgaagaga gtgagagtga caaactatgg aggtgggatg gaacttcgtc 360

ataagaagga ggatctgagc acgattgttt gtggcaca

398

<210> 36455
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36455

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 aaaanaaggg aaaagtaagt tcgagcgtcg caaaccaagg cgaaacaaca cgccgcggga 120
 cccagaacg accgaagcag caagctttca cacacacgca ccaagcacng gggagcgag 180
 aaaaccaaga cgcacccccc cccgacaaaa ccagaaaaca acccccacg acccccagg 240
 acaagcacgg aagcggcggg caagaaaaca cacacacang agaccacag gacaacgaga 300
 ccgcgaccca ggcaccacaa acaacgcaaa acaacaaacc acccgaccac cagccgcca 360
 gccaacgaac caacaaacaa caacgccaca caacaacaac cgagacacgc agaacaccaa 420
 cacaagggca aaagcccaga gccaacccca cacgaagacc aaacaaaaca cacccaaccc 480
 cc 482

<210> 36456
 <211> 224
 <212> DNA
 <213> Glycine max
 <400> 36456

tgaatctcag acttgaggtt atttgacgtt ccatatatat cgctgatcg aacctaggta 60
 aaagtatgac cattgaatct ttagactccg tgtcattttc gagcgtttat atggagacct 120
 tatgacctcg gtgaaatatg accttgattt cagacttcgt gtcaattgga cggatgaattt 180
 tgcgcgcgac gaatctggaa agtatacata gaatctcaga cttc 224

<210> 36457
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 36457

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ctatagagtt ggtgggcctc aaaagaatta ttgatggcat tgaggaatga ctctatttcc 120
tcatgaagct catcaactac tagatcattg aattttaaag cctcactgat ttcttggtga 180
aactttcctt tgtagtatgg attcgaaaga gtgtcttcaa ggttctgatc aaaaacaagt 240
ttttcgaaag gagccacaac ctcatgaaa tgggtaaaag gcatgttggt actcgatttg 300
gaggcttttg aaggcataga atctgaagac caaacatcac tga 343

<210> 36458
<211> 134
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36458

aaaaaccncc ggcgcgaggg caccatgaag aaagggcacc cccacaccca ccggnngcaa 60
cccaagggca aaacgagaaa ctacggccaa gagatcacga agagaacacg ncccagagac 120
aggagaaaaa ggcc 134

<210> 36459
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36459

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atttttaaagc ctgtaattga ttacaacttg tgtgtaattg attaccaaca tgagaattca 120
aatttcaagt ctgaagagtc acaactcttc agaaattaac tgtgtaatcg attacaacag 180
ttatgtaatc gattaccaat aatgaatttt cgaaaataac tccaagagt cacaactggt 240
caaatttttt ttgaatggtc atcaatggcc tataaatcaa ttaccagaca tgaaaattca 300
aatttcaagt ctgaagagtc acaactcttt agaaactaat tgtgtaatcg attacaacaa 360
ttatgtaatc gattaccagt aaggaatttt ccg 393

<210> 36460
<211> 389
<212> DNA
<213> Glycine max

<400> 36460

cccttggtg ggccttggtg gccacactgg aatccgcttc aatgtgccct tcctagacca 60
cttcgcgggg agcttcttcg tagccaattc taggttgccct cctagtagca cttctttaac 120
gtcttgagcc gaacgcgtga tgacttgctg gtcacggggc tagtactttt gcttaccttt 180
ggctttggac ttggtcgcct gctggtcggc catgggtcgt aggcaacgct ccagcctttg 240
tagatgagct gaggggcttt ggaggtggtg gcggtgtgtt tgttgccgc tgccggccat 300
cccctagctg ctgtggtgtc tcgccctgcg cctgtctgag ggcacagtac ttcctgatga 360
aagctcgatt agtatgaggc ctgatgacc 389

<210> 36461

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36461

caccccgcca gaaaaagaga tttaaaanaa agaaaaaagn ggaaatacaa aaactatttt 60
gcntcaaacc caagagcggg ggtgatgcag caaccaacca ncnaaanaca gccccggaac 120
ccacaaaacg aaagagcaac atgtcccccc ccaacaaaag ggggaacaaa caccacaccc 180
ccccacgga acagcaccac ccacggaaac ccccaaccc ccagcggggc acacaacgag 240
caacccaaaa aacgacacaa ccaaccgcag cagacaccca caacaacaaa accaaggaag 300
aaccggccg acgcaaagca ccaggaagca cagaacgcaa acaaaaccag cacggagcca 360
ccccccagaa agacgaagaa acccaacaac gccagac 397

<210> 36462

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36462

agggttnatg attgtgcatg canncctag ataggccggg cccaaagggtg ggccaagagg 60
acgggcatta acatattacg tcgacgaagg agtcgggggtt atataaatac cccagacgc 120
acgcagctga aaagaaagga ccgcatagac gaacacaaaa ctccgaggcg acaagagatt 180

aaaggaaaag tcagaaggac aggcgagaaa ggatcacaga gaacactaga aagaggggagc 240
 actggtcaac acccaactgc gtctccacgg atataaggca caatacggat agacacccga 300
 cactcaatat agacactccc aacatatcga gatagaaacg gagaagacta tgtagaagat 360
 acagcccacg tcttagataa cagtgcagga aggacgcaca tcgagactta taagagaaac 420
 taaagcactg gcaaacatac g 441

<210> 36463
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36463

agcntttttat atatcgaggc gctcgaaatt gaacaacggc aagtcttgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtccaatt catgcgcac acatatagag acgctaaaaa 120
 atgaacaacg gaagctctcc agaagttaaa atgggcataa gttttcac 168

<210> 36464
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36464

ctttgggacc ttgaacaggc aactaactcc tctntcaaaa ctatgctatg tgctcgcgac 60
 tgggtcccttt gggtcctttcg caacttgagt tcactattgc taccocatag agctccgcga 120
 aatttggtcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aagggctctt 180
 gcggtaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcggcc 240
 aacttgaact tctccttggc aagttttgcc tttcctaact cgctttcgag agcttggact 300
 tcttcgtcct ctttcggtgc ttcaaaactc tctttgctga cgacttttaa cttggcgagc 360
 caatctaaac ctcgtatatg aactttcagc cattcgtggt acccaccaat gatgccat 418

<210> 36465
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36465

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agcttttttta actatnngct caaaaagcca cgggagtaat tttttattag tttttaacgc 60
tttttaaacg ttagttgaag tatcattttt taaaacacta atattttaact tttagttttt 120
atattttcctt tcattttttat ccttaatatata cttgtcaaata ctcttactta tcttttttaa 180
aataaatcat aatttttatta ttttcacgta tttcaatagg taatttttatt aaatacttat 240
aatttaataa actaaatttg gaatttcagt tattaatttt catgaacata acctaggtca 300
aactagagct ctttaaaaag tcaaactaga gatgc 335
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<210> 36466
 <211> 422
 <212> DNA
 <213> Glycine max

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<400> 36466
cgagtttcac gccgagtttt tacatcgagt ttctccggtc tgacgacggc gtggcggtga 60
tgagtctgga gctcacacct gcatgtaaaa gtctgggtgc tctgggtccg gcgatgaacc 120
tcttcgtcca tgcgagcgaa tctgttctcc atcgctcagtt tccactccaa attctcgcg 180
gcgctgtcca attcttcatt cagcatctcg tgtagccgct ccttgccacat agtcgcaacc 240
ttggaaacga aaacgataca acttctctaa gtctcatgcc ctgcacggcg gacttggaga 300
ccggtggggc gccgtaacgg atacgattgt actcggcgag gtgctcctcg agaccctccc 360
cgtagaagta ataccggtgg gtgactctcg ggaagctgta cgttctctcg agtcccctat 420
tc 422
```

<210> 36467
 <211> 126
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36467

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agcnttgatg ccgatgagca agtcatcacg cgcgcgctca aggaactcgg cggcggcgcc 60
ggccaccccg ccaagaacga cagcattccc cggccaaatg gcaccggcac tggccggcag 120
cccccc 126
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<210> 36468
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 36468

gcgcatcacc cgctcctacc gcacaggccc ggattttcca tagcggatgc atggtctttg 60
 cagggcggtta tatctctcat aatttcacgc taaactaaaa atacttatgt acaacaatca 120
 cttgacctgc ctgcatgcgc gcctgtgact gtccccccagg cgactgcacc acctcagtc 180
 tctattagac agtatttatc acatgactct gtcgtactgc cccggctctt ctcttataat 240
 cgccgcttgt a 251

<210> 36469
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36469

actccttgat cagcagcacc cttgtaggca gcngccacaa gcgaaaagca tgtttaccgc 60
 acaaggccgc ggaaaacccc caaaagcgcg aagaaaaaaa cgaacacgcg aagggcggca 120
 aaccggaagc cagagagcga ggccaacgcc gagacgacac cagaaagaaa gacgagaaaa 180
 acagccagcg cggaaaacgc gaaaaaggca acaaaaaccg aagacggaca gaaaaaaaac 240
 ggaaaacaaa gagac 255

<210> 36470
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36470

agagcancac cnnccnttt tgagccaata gtannancac acncnattag annannngnc 60
 ngggggagct agcatgcctc ggattcattg gnaccacaac cagattaatc tgggccattc 120
 gacaccncca accacgcaga gntatttgta gagatacact agacacctca cgttcnacag 180
 gtatacagta ttaattacgt cagcctaacg cgacacacta cctatctcag ctactaacgg 240

atctacatga acacgctaca gagcaggctg ctcgtacgcc aacaaaacac atccctaacg 300
gccttaacgc accagagcta agaatgaata atgggtctatg gagacaggca ctctacagca 360
tatgctacgg tgtactacga ggcgatctac acaccgtaca tgaatatacc accgatccgt 420
ctagggacgg accccctatt ccttacgant atagacaacc cctacactga atagtagacc 480
accctactac acaaccactc ttttgccc 508

<210> 36471
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36471

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gtaggggtgtt tttccattat cacctcctca tgcagcagca aggatgattt cgttcagatt 120
tgaatatgcc acccaattgc ctccctgtgt cttttgagga cctctaccaa cttggggaca 180
tactctactg aggactccat actgatcact acaagctcgg actcgttctt ctccaagaac 240
acatacttaa tgtgggtggg ttaaattctc aatatcaact tgggtcttcac ctacatgagt 300
gtttacttca tgatctaagt ct 322

<210> 36472
<211> 274
<212> DNA
<213> Glycine max

<400> 36472

ctggaataaaa aagtaatacc agactcgtga ttctaaagct tcacccctgg gcgattttga 60
aacagcact tcctggaagt cacgggaatg aacgcccacc acaaccatta actggaaacc 120
aagctcatga tcgcgttaaa gacattgtaa ccgtgtttgg gaagtccac aagaacacat 180
catctcccaa caacatgtgg aagaaacgct caatattcat tgatcttcca tactgggtctg 240
atctatatgt gcgacactgt ctacatgcta tgcc 274

<210> 36473
<211> 511
<212> DNA

taattaggta taataaatta gaagtaataa tattttatta gaagaacata tatatactac 240
ccatgaaaca tgcttagtat tttagcttat tgaaattatg aattggggtt agatatggat 300
tcaccttgta ttggaccatt gaattactct tctctgccct ttatcccatc atcttgcttc 360
ttcttat 367

<210> 36476
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36476

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taacatangc accaattata gaataaattt tgagccanaa caacaagcac acttcccttt 120
cacttttttt tttcctggat actgattttt ctgccaaact gtgtgatttt tagtattttt 180
tccatttatc taaatcactt gggtcttttt gtataactgt tttccagatg tctaanaaat 240
tcagtaaaca tttcagctaa naattcaaag taaccaattc tcagtaattt ttacaagttt 300
gtatgtccaa gctgccagca ccagcgattt ttttttaaac atggatatatt gattgccttg 360
ggcttacttt caaccttcct atgtatgttg aactcactag tattgtttac cacagttnta 420
ggagttcaat attcact 437

<210> 36477
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36477

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aaaggcaagt ttgaatacgc ctccaacgct ggccccaaca gcaatagaag agccccagtg 120
gtgggcacat ggaanaagga aggagatacc cacgcggtca ccaactgcccc aacgtggatg 180
aaaacgcccc anaatgctca naactcatac caacacaacc acccgaactt ctgatccga 240
gccgggagtt ccctcccaac tcaagtagaa gggcctgccc tgacgaaaaa agcgtntgca 300
caacacgcgg ctccagccac accccgacta gccataata cgactcctaa cacaagctat 360

gacaatccgc gacgccccct gagagaccag ttctcttcta ttcccatggc gtattctg 418

<210> 36478

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36478

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cctggttcaa gcacgacttt ctttttgctt ttgttggctt gccttgcata gtcacattt 120

ttcttttcaa tttgagcctt cacttgctca tgcaacttct tcacatactc agctntagcc 180

tgtgcatcat tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240

aaaggattaa atccatatac tatctcaa atggtgaacaat tagttgtgct atggacagct 300

cgattataag caaactcaac atgaggcata caggctgtcc aagatttaag attnttctnt 360

aatacagtcc taagcagtgt tcctaaagtc ctattgacta cactcagttg accatc 416

<210> 36479

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36479

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ggagcataaa ccacagagtc tagcgacaag tgcatahttt ttattcatgg ccagttgggt 120

tactaggtta accaaggcat ctagtttacc ttcaagcttc ttagtctcag ctgatgaaga 180

tgaattcgtg gctacttcat gcaactctct aatgacaata gcatcatttc tggcactaaa 240

ttgctgggag tttgaagcca tctttctcaat taaatttctg gcttcagcaa gggtcagtgc 300

tccaagggct ccaccactgg cagcaccaat catacttctc tccatgttac tgagtccttc 360

ataaaaaatat tggaga 376

<210> 36480

<211> 371

<212> DNA

<213> Glycine max

acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac 240
 cacaaagcaa ggaggcttgt gtggtggctg gccaaactgtg aatcttgtgt gatataaagg 300
 ttatggcctt tggtaatcga ttaccaatgg tgggtaatcg attacaaggc ttataaatga 360
 agataggacg ctaaaatggg ctct 384

<210> 36483
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36483

aggttattta aatactctaa cattagagta tgctagcaat ctcatatata tatatatata 60
 tatatatata tatatatata tatatatata tatatatata tatatatata tatatatata 120
 tatatataat tntaataaga gatatatatta taataaaaat attgtaaata aaattntcta 180
 attatTTTTT attttaaaaa attatgtgcc catcataaaa ataaatcgaa catcgcccg 240
 tcatacattt ccatctctca ctgtatatta ttattattat tattatgatc attatgatta 300
 tataacacaa aagtctcctt tagttataga atatatcttt aatctgcgtg tatatctaga 360
 gaatacaaac atatactgna agtgtattct ataactatgg ctctg 405

<210> 36484
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36484

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 gtatgtgtac atgattttga taatgtcaaa gaagaatcta acaaggctgc ttcaaagat 120
 aagcatttgc ttcaaaaata attcaagatt acttcaacaa acaaagcatt gtttcaagat 180
 tcaactaaaga ccaagccttg ccttaaaaca aagtgccttc aagacatgca aggctttgg 240
 aatcgattac caggaagtgt aatcgattac cagaagacaa ggttgagaaa tagctgttga 300
 aaagagtttt gaatttgaat tttcaacatg taatcgatta ccagcaacga aactcttgaa 360
 attcanattc aaaagtcatg acccttcana ttataactgt gtaatcgatt acacaaacat 420

448

<213> Glycine max

<400> 36485

aaacattgtc tcgataaaga taaaaataaa aaaattagaa gatgtcatct nattatttt 419

<213> Glycine max

<400> 36486

ttggcagagt gtataacat 439

<211> 392

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36487

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ctggagttgc tgcacatgat gtccaacggt atgtcaaaga ataagatcgg gctgcacaat 120
gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaggattca cgatgtcgga 180
tacaatgtcc aggacatcct gcccgaaaat actggagttg ctgaaagcat tgaagttgca 240
agatccacga tgtctgacac gatgtcctga catccggccc gaataactg gacatatata 300
tctgttatat ctntaacaga ttattgtgca gttagcaaga gataagatga tctatcttta 360
ggaacgaatt aagagataat tatagttcga at 392

<210> 36488
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36488

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tgctgcggga gttacgagac cttgnggacg tcacgtgggg tgctattgcc canaaccaag 120
cttgacaaat cccgacccaa cccgggcata gtcagtcaga gagaacctgt gatgtaccta 180
aacaggcgag ctctggtag tcaaccgata aaagaacaga gaccacaag caaggaggct 240
tgtgtggtgg ctgccagct atggattctg agtgatatct ggaatatggc ctctggtaat 300
cgattaccaa ggggtgtgtaa tcgattacta agcttaaaaa tgatgacatg atgttaagat 360
ggtctctggt aatcatttcc aagag 385

<210> 36489
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36489

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 ttactctctg gtaatcgatt actagaaggt agtaatcgat taccagtagc cagcattggt 180
 ttcaaaactg atttacaag ttgtaatcga ttaccataat catgtaatcg attaccaatg 240
 ttttaaaatg ttagatttca aatttcaaga gtcataacta atgataaaac attttcaaatt 300
 catttttaaac ttgtgtaatc gattacacaa tacttgtaat cgattaccg tgnntctaaa 360
 cattnntgat ttcgatntaa acatgaagag cacatctttg atgtgaatcg ataccatgac 420
 tg 422

<210> 36490
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36490

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 tccttctttg cagcaatttg gagtcaatga gcaacctgaa gcttatgttg caaacattta 180
 taatagactt cctcagcagc aaaaccaaca accgcaaaat aattatgacc tttcaagcaa 240
 cagatacaat ctagggttga ggaatcacc aaatcttaga tggacaagtc ctccacaaca 300
 acatcagcct gtccctcatt tncagaatgt tggttggtcca agcaagccat atgttcctcc 360
 tccaatgcaa cagcaacaac agcagtcaca acaaagacaa caagcaaccg 410

<210> 36491
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36491

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 tgcaattgac ttaagcatac cagacatcat acacaagtat ggccaacca tgccactctc 120
 acaactcatt gcttcactac caatccaccc atccaagact tgctacatcc atcgcttgat 180
 gcgactcttt actcattccg gtttcttctc tcggcacgat ttggtcgaaa acgaacaaga 240

agtgatcacg tatgagctaa ctgatgcac tagactactc ctcaaggacc acccttttag 300
 tttgaggcct ttgttgctag tcacacttga tccaagtgtg attaagtcac ggtgtcaatt 360
 ctctacttgg ctcaaacg 378

<210> 36492
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 36492

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 aaaaagagga tccactacct atgatgttaa gtaacataag ggaacttttc tcttgctatc 120
 attctctatc tgtttttctc tctagcatac ctaaccattt tattaagtca aatcatattt 180
 aagttattaa tcttggtatg agatgacaat tattcactta agttccttgc agttaattat 240
 tagcattggt tttaaagggt agtttagtatg tttggactat atataggata ctgatagtaa 300
 ttaaataaaa tttgttttgg caccttatgt gctaattagt acatttcgat agatttcaac 360
 catggattac cttcttacct ttcgtaa 387

<210> 36493
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36493

ttcttatgta cttgagaggt ntatcatttc gtgacttccg aagtttggat tctttgcctg 60
 attcaatagg taaattgatc catctgcgct atttagatct ctctcattca agtgtagaaa 120
 cactgccaaa gtcatttgtt aatttatata atctgcaaac tttgaagttg tgtgggttgca 180
 tcaaactgac taagttgctt agtgacatgt gcaatcttgt taacttgcgt catcttggtg 240
 ttgctgatgc tcctataaaa gagatgccga gaggaatgag taaattaaat catttacaac 300
 gtctggatct ctttgttgtg ggcaagcacg aacagaatgg gatcaaagaa ttgggaggac 360
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<210> 36494
 <211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36494

tgtatgtgtt acaatgttct taaatttcta tttagttttt aagaacaacc tgtctaggta 60
atttttttca gaaagacttt taacaaaata agaaaagaaa agtttttcat aattacctta 120
tacacaacct aatgatagaa gctctttcat attagttttt ttcaaaagat atttttaaatt 180
tatgtataaa ctaacattaa cttatagata agtntattta attttttttc tttctatttt 240
cctttttttac tagtacttct aaatacattt atccaaatag acccttaata ttaatatata 300
tcaacaatac ttacatccaa atgatcactt aatcaagact tgaaattatt ttatataaaa 360
taaccagatt aattaaccaa ttacgtgctt gggtttcatt tctaacaatca atattagtaa 420
ttatttagaa ctttt 435

<210> 36495
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36495

catgggcaac tatggaatga ccaaatectc ttgggataaa aggtagtggg ggccattggg 60
ttcaaaaccc cgtacttaag gcattacact tctttatcat taagtggaaa tagttaaggg 120
tanggaccac ttttaactttt tcacttaaaa taagccattt ggatgggect tcttgcattca 180
acacagcccc taanccaaca ttttgaagca tcacacttca atttcaaaag atttttgaaa 240
agtttggcaa cgcaagtatg gnggcattag ttagctnttg cttaacattg aaagcttctt 300
gttgtttctg tccccatttg anaccaacat tnttcttgag cacttcattg agaggtgctg 360
ccaatgtgct aaaatcattc acaaatectc tataanaact tgctaagcca tganaactcc 420
tcactn 426

<210> 36496
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36496

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gtgattctca ccatggagat gcagcggacg acaaaggaga agaagatgta agatgcgacg 120
ccatccacta tggaataagc catggaagaa agagcttcac caccaagatg agcctnggat 180
aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagat agagagatgg 240
gggagcacac aaattgaagg aagaaataaa tgagagaagt tgaactttga gttgtgtctc 300
acaagactct cattcatcaa agttacaaca agtggttacac atgcttctat ttatagact 359

<210> 36497

<211> 174

<212> DNA

<213> Glycine max

<400> 36497

cgtctcactt tcatgcagaa cacaaatgcc ttcacaaccc atgttggtct gtgaggtggt 60
tgatgtccgg gtatagactt tatgggccct tctgtctct tttgggtttg cttatattct 120
ccatgatgtt gattatgtct caaaatgggt ggaagccaaa gccaccagaa ctaa 174

<210> 36498

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36498

tcgtatccag tcaaggctg agagaccatt acaagtttct aacgatttct aattatgtgg 60
gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc ttcnggggcg 120
gagtangtgt ctgccatcgc cttggccttg gctaacaatc ggagaagttc ttgactcccg 180
tncaaggtaa gagcanaccg atccatccac atgggtgcct cttggtgtaa agagtcgatc 240
acccttcctc tagcctctnt ttccgcgtat acttgggcat attcgtccgc aatcctatgc 300
tcgtgggccc cggt 315

<210> 36499

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 36499

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 gtgttgacag taattgggta gcccgtgaat ttctctcgg gctgaacaca ctncggccat 120
 ggcccttgct ttggctagta gtcgcgggag gtcttgactt tcatttaagg tcaaggcgaa 180
 cctatccatc cacatggctg cttcttgatg caatgcatca atcacccttc ctctngcttc 240
 cttctcngcg tatgcttggt cgaagtcctc tactagcctt tgctcatggg tcanagactg 300
 gtttaaactct tctttgtact accctattat agctagcatg c 341

<210> 36500
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36500

agctngagct ggggaattttg atncatggat nnctcaagaa gaagatagat agtgacatgt 60
 ttgtatggtc tgcattgatt gaatagtatt caaagtgtgg acaaataaat gatgctgtga 120
 tagtgtaaac agagtatcca aaaccagacg tggctcttat gacttcaata attactgggt 180
 atgagcagaa tggaaatgct gaacttgac atgcncattt ctcccgaatg gatgtgtttg 240
 agctagtaag tactgatcca cgaacacttg ttaatgctgc ttctgcttgt gacgcagtat 300
 ctgattctaa ccttggaaga agtgaacatg gaattgtcaa acgaaagggg tttataactaa 360
 gtatgtttgg caattcta 378

<210> 36501
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36501

gcctcattaa actatatatt tcccgaaggg ttttttttta taagcctcct atttttaatg 60
 gcgtgggtta ccattattgg aaaccccgca tgcaaatttt tatagaagca atagatctaa 120
 atatctggga agccatagaa attcggccct acattcccac tatgggtggaa gcaaatacaa 180

ccatagaaaa aactatgaaa gaatggagtg aagatgacaa gaaattagtt caatacaatn 240
 taaaagccaa aaatataatt acatctgctt tagggatgga tgagtacatt aggggtatcaa 300
 attgtaaaag tgaaaaagat atgtgggata ccctacacgt aacacatgaa ggtacaacaa 360
 atgtaaaaag atctgggata aatacattga ctcatgaata tгнаататтt agaatgaatc 420
 ccaatgaaag catatatgat a 441

<210> 36502
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 36502
 gagaggagaa tgactgactc aaaccactta cagactagac gacagtcagc ggtgtactcg 60
 tgtccgcca gtatacagaa cctatcaact ctagtgccta tgtacaaatt atcatacact 120
 tcaaattcac tctagaaaca aaaataacat gaaaaattga catacaaaaag gccaggttat 180
 gactgaactc caactgaaat ccagccatct gatggcatga cacactagaa agcatataaa 240
 ccatctcacg tttacgcctt acgatatcat ttcttgaaaa c 281

<210> 36503
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36503
 gcagcggagc aacaaggatt atactttctga ccacttggtg acaaaggctc tcaagccaag 60
 ttaagaacca actcttcttt aaattcaagc tattangtgt agttgaatgg ttctatatct 120
 ttaacacatg ttgtacttta tttgcagttg aatggcttcc atgtaagctt gtacccttga 180
 atattaagag agattatcta atacgcatga ttttcttaat attatccaat tattcaataa 240
 tgactttaat tctcatatgc ttgattttct tcttaattat tctaattatt tatgt 295

<210> 36504
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<210> 36507
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36507

tctccttctt tntcctataa ataggtgaag gagggattat acttattggt caaccctcca 60
 agtatttgag attcacttaa aaatagtgag aaaaattatt tctgtgaaga aaatccaagc 120
 cgaggcgctt ccgtaacggt tccgtaatgt ttccgtgggt gatttcgcaa agattttcaa 180
 ccgttcttcg tcgttcgtca ttcggttcttc gtcgttcttc ggtcttcaaa tcggtgaagt 240
 cccaaaatcg aacttttcaa ttcatcttat gtacccttag tggtcctcat ttgtttcgcg 300
 tgcttttatt ttcatctcat ttactttcgc taccctcctt ttgacgtgct ttagtcattt 360
 acttaagtca ttttctcgcc taatcaaana taaaataaat ttccatcgat catttgaatt 420
 gaacatctgt aattttctgta aaatgaaatc gaccgtcg 458

<210> 36508
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36508

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 agtcatatga gagattttgg ttgtacaaca tatgcattag tagatataag gactaagctg 120
 gatgataaat ttgtcaaatg tgtatttatt ggctatgcta cttagtcaaa ggcatacaga 180
 ctgtataacc cactaactgg caagataatt gtcaatagaa atgttgtatt tgatgaagat 240
 gcaagctggg ttccgggagga atgtgaaatc agtaacagtg tttagcagaa atcagtcagt 300
 tttgatgggt cataagaggt ctcaaagtgt ccagactatg atcacactcc aagccctcat 360
 tcaacgccat caagccagtg atcattagct cttcaagcc atggatcatc tagctcatc 419

<210> 36509
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36509

ttaattcaag aataagttat tttggttcat cttacttatt ttaaaatggt gtaacaatgt 60
 ttctcactct ttttggacat aagcaaaaatc ttacccatct tgcttcttag cttacatatt 120
 tgaantctgc tcaaaagaaa taatattata tcattgtaca tttgtagctg gtttttctta 180
 aatatactct cgttacattg tcgtttatta acaaaaaaatt aacaacgtat catatgagtc 240
 ttaacatata caataatcga taatataaa 269

<210> 36510
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 36510
 atcttttatt ctaaacacag cagcacgggg gacctgactt tttacgggtc aactgtgtgc 60
 ctgtaataag acacattgga ttatgatgca aacatgttgt atgtgatgtg aacctaataga 120
 tattagtagt gctggatcta tgagcatgac ttgagtgage atcagtgcgt aaccgatgat 180
 gcagtatgag gagac 195

<210> 36511
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 36511
 attttgtata ttggctagac atgatacatg tcagggcttg gtttggttca aggataaaaag 60
 ggatgccccca cattattttcc atgacacaaa tgcaaaaatg acgatttgga aattttatgc 120
 aaaactggtt atgcatgcac ctatgcggac actcaagtgt caaattttta tggatcatgtg 180
 atgctacggc tcacgattca tttcctctat tttagtcaac ccaacgtttc caaaatatgt 240
 tcttttatca atttgtgcat tcatccgagt ccattgtggg catctgggaa aatcttcaca 300
 gcattcacc ttcattgtgta tacacattgt ttcaaaaact agttatgatc agtgaattct 360
 tccaaag 367

<210> 36512
 <211> 450

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36512

agctgaacat caagatctaa atcttagnca ctattanatt ctatgttgct tcatcaaggt 60
aaggagagtc tctccaattc ttaaacccta atcttggtgt ctttggaagc taaccttcat 120
tgaatgttgt tttgatgttc aaaatttcat agctactgca taggctggaa ctgtatcatg 180
tggtgtttct cttgtaattt taaggtaaaa aatgagttat ttgggtgcca aaacttaagg 240
ttaaccttat atttcaccta aatcatagtt ttctagtaaa agttatgaac aaaacaagtt 300
taaagaatca cgataataaa tcggagtttt ctagtaaaag ctatgaacaa atcaggagtc 360
tttatggatg tatggaccat ttttcataaa tatttgactt cacaaacgag tttttaagtg 420
tgaaaatata tgggaacatg tcaaattcat 450

<210> 36513
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36513

agcttggatt tgggtcacgc tggcgtcgta caactgggtca ngaaaattat tntccattct 60
tagtggctnt tacacatgag gtatgactca actgcatgta cttacactag ctatgtctgc 120
taaattcgac tccaaattcc aacaaactcc atgcagaata cgcaactctn ttattgaatg 180
ataatattag gattattaat aatttaaaca taatattgct ctctttttta tcaatagttt 240
taaaactatt acaaacgaat gaacacaaat atttgaatta ataaattaat atttactact 300
atattttana ttaatgtatt gngcaatgat atttgaatga tgttanggca tgtntgatag 360
gagatcaaaa ttntaatttt aacaaattat aggttgaaca attaatttct catgt 415

<210> 36514
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36514

tcatggtgaa tcanaggtgg tttgatgata tcaatgtatg atatcaaaag atgatgacaa 60
 aggtgatgac aaaaagctca aagatcaatc aaagaacaac tcaagtgaat caaagatcaa 120
 tcaagaacaa ttcaagagtt caagataaga atcaagaaga attcaagact caagaagaaa 180
 gtttagagtc aagaatcaag attcaagggt caagatctca agaatacaaga tcaagattca 240
 agactcaaga ttcaagaatc aagagaaggc ttaatcaaga taagtatgaa aagggtnttc 300
 tcanaaattg aatagcacat gggtttttctc aaaacatggt taccaaagag nttttactct 360
 cttgtaatca attaccatat tggttgtaatc gattaccagt agcaaaatgg atnntgaaaa 420
 gttttaaaat tg 432

<210> 36515
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 36515
 atcttgtctt aagggggtac ggaaggtaaa tgaaatgaaa ataaaagtac gcaaaacaaa 60
 tggggaccac caagggtaca tagaatgaat tgaaaagttt gatttcggga acttaccggt 120
 tgaagaccga agaacaacga agaacgaacg aaggatggcg gaaaatcttc acgaaatcac 180
 ccacggaaac gtctcgaacg agttacggaa gcgcctcggc ttggattttc ttcacggaaa 240
 cgatttttct cactaatttc aagtgatcct cagataccaa gaggggtgaa tgcttttgtt 300
 cttccctcct cccctatatt atatggaaaa gaggggaaaag cttgccaccc agctcgccca 360
 ggcgagctgg 370

<210> 36516
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36516

tgccgcccag ctgccccagg tgagcaaggt tgcttctctc atatacaaca gccttctgga 60
 gggcccaagt gggcctgggt gctatttgca cccccacttt tactaaatac accccctgcc 120
 tttttttttg tgattctttt tccgtaatgt tacgaaactt tacgaatttc gtaacgatac 180
 ttatttttct tccgcaaggt tatgaatcct tacggattat gtatttactc ttttttagct 240

ttcgaagaag ttacggaaac ttacggattg cggaanaaca cctcttttcg acttccgcca 300
cattatggaa tttcacggat cgcgcaagct tgcttccttt agatntctga gacgtctcan 360
gacttcattt attgtgcaac aaaggacgcc aagtatctca aagc 404

<210> 36517
<211> 509
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36517

nnaaagtcgg gttacctagc ccacgtagac ncgcanatca gctagnaccc gcgaccnnag 60
agtcacctgc agcatgcaag ctttcgttta cagacagcaa taagttattc ggtaccactc 120
gggtttttccg ccctcagcgt gactcaaaat caatatgaca gatcctgtga gcgtggaaga 180
tgacgttaat ctccgcgtgt caacgggcct tgtcggcgcg atggacgaaa ggcgcagaag 240
acgacattag tctatgcgtg ctatcanggc tttcatctta cagacagcaa aaagtttata 300
cggataacca ctcggttatt tccgcccgtc agcgtgactc aaaagtcagt atgacagatc 360
ttgtgagcgc ggaagatgac gtaaattctcc gcatgtgaac gggctagtcg gacgcgattg 420
acgaaggtcg canaagacga cgttagtctc tgcggtgctat caggcatttc ggtctacaga 480
cagcaacaag tttatacgga taccactcg 509

<210> 36518
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36518

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gttgacacgt ggagatttac gtcattcttc gcgctcacia gatctgtcat actgactttt 120
gagtcacgct gacgagcgga aatacccgag tggttatccg tataaaacttt ntgcattctg 180
taagatgaaa agcctgattg caagcagaga ctaacgtcgt cttctgcgcc cttcgtcaat 240
cgcgatcgac aagcccgttg gcacgcggag atttacgtca tcttcgcgcg tcacaagatc 300
tgtcactactg actnttgagt cagcgtgacg ggcggaaata gctgagtggg tattcatata 360

aactttttga tgtct 375

<210> 36519
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36519

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 tatgaaaaga gaggacttga atacaggtaa gtataaaaga tagaccagtt ttgtggtgaa 120
 agaataaatg aaatatctgg ctcanacttg attcaatgac ctgaatagct caaggaaata 180
 taagcaccta tgatggttat ggcacgtact tcaacaatta attcatttta gaaactataa 240
 taattgatac gaaataaaaat gtgtggaaat attgagacca tactgcaaata gagcaagtaa 300
 tattcatctt gaggttccaa gtatatattg atggctacac agattaatcc cttgaagtta 360
 atatactaa 369

<210> 36520
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36520

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 gatgaacctg ggctttcctt caaggaagca aactgcccac tcttccgatg catcctagca 120
 agaataaaaag acagcaaaaa cagaacagaa aaaaaattat aaatatagaa gaacaaatca 180
 aacttcaaaa acaacctgca atcaaacaaa acctacaaga atccctcaaa atggcactca 240
 agtaccaact atcaacacaa cacattatgt tcctcagtcc ttagctgttg agaaatatgc 300
 tcactgattt gactntacct gataacaact caggcctaata atttcatgat aaaaaatttc 360
 aatgtaaaaa caaathtagt cagaccagac nactgacctc ttttcattat aaatctacat 420
 atg 423

<210> 36521
 <211> 418

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36521

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 gacacagaat tcaccaacaa cataactctag tgccctcgntt gcattatgta tcaatttacc 120
 atttgtggtgc aaaataagag tgatttcata acaaatecta taggtgaaca caaacatcat 180
 tattttgtatt ttcacaaaacc ttgtttatac acaacatcag taatgaaaaa gtataaatac 240
 aatttttgaga acccaaatat aaacctccaa atgaaacatc attcaaaaaa aaggaacaag 300
 aagccaaatg aaaaaagagc atacaatgca caaaaggaaa tgacttcata ttctagggcc 360
 aagaaaaaat gagatgcaat gtggatgacg atatatagat atgcgaagaa aatgagtg 418

<210> 36522
 <211> 474
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36522

 actcaagctt atcacacaaa ggtgttgctt tgtgtggagg aaccattntc tttggttttc 60
 tctctgactt tnacaataag tatgtggtca agaaacacca cttgagtcac gacacccgtt 120
 ccagtggaga caataattga ggttccaagg gtggttagaca tcatggttgc atggtaggca 180
 aacatctcac tcatgtggtt cttcaacact tgaccaatgt taggtggcat tttaccactt 240
 ggtatagtgg cttttgtttg caatgctact atgtgcctta cttgcacaac ttttagtggg 300
 aacttttcat aagctgtttc tctagacaac attattccgt tagaaccttc ttgaacaaca 360
 attactaaat atgatacctc tattctgggt agagtcgggt gaacaatcat gttgtctagc 420
 atatgtgatg ccacaataac agtcttttcc atgcttagac acaagtttat tate 474

<210> 36523
 <211> 391
 <212> DNA
 <213> Glycine max

 <400> 36523

 acgccggtga tggcatggct tcaaacaac tatacccaca tcaaagagat agcgctaaaa 60

aaacaccttg cttgagatct gcatacaaaa aattgtgata tcaaataacg ccacacctga 120
 gcctctcaat attaactaaa gaataaatag ctagtcaa atttattaaa gatacataaa 180
 ccaagagtag ctactggcga gctacacacc gacatcaagc tctcggtgc ttgcataaac 240
 tccgggcatg gcatcaatca cgcccgcaag aggaatatct cgtcgcaaga cccggtgcct 300
 agccgggtctg accattgcta agccaccccc tgaatccaac cctcgcgga cgctcttccg 360
 cgtgatacat gcaccaaccg tacgtcttcc g 391

<210> 36524
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36524

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 gcataaacca caaactcttg tgataagtac agatttctaa ttcaaggcta gctgggttac 120
 cagggttaact aaggcatcta gtttaccttc aagcttcttg gtttcagctg ctgaagatga 180
 atccgtggct acttcatgca ctctctaat gactatagca tcatttctgc cactaaactg 240
 ttggggagttg gaagccatct tctcaattaa atntctggct atagcagggg tcatgtctcc 300
 aaaggctcta ccaactgtag cattctatca tacttctgtc catgttactg agtccttcat 360
 aaaaatattg gagaagaagc aactctgaaa tctgatgggtg agggcaactg gcacatagtt 420
 ntttacatct ctcccantat tcatacaagc tctct 455

<210> 36525
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36525

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 ancnnntana cnganntgan gnatgnaagn ttgaatttat gattgtataa tgggtgaaant 120
 tnntgggtttt attngttgag ganagagtgg tanttggaga tatgtngnga gggtnaggag 180
 aaaattggga ngttaggtgg ggtggtattg nnnaaaagna agnttganna attttgaaaa 240

aannngggna tagtaagtna gtgagaagnt gtgatgtatn taataagggg agttttntgg 300
 ngtnaataga taatagaata aagaaaanaa agnatggagg gttgtgtggg ggnttggnag 360
 atgtgaaatn tgagntgtat atgggatatg gantntgggt atagattaan atgggatgggt 420
 tattgattat taagattaat agtgagaatt ggaaatttaa atgatnttta ataagatgaa 480
 ttgttaatat agtaatataa angttaagaa tttgtattg 519

<210> 36526
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36526

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 cctagtacca catgtgatgg gtaccccata atcctacaag cttgagatga ggaagtgtag 120
 aagggtgaaa cttcctgctn ttattcgttg accacagagt ggtacctgga gatatgtcgc 180
 ggcgggtcaag agaccttggg gatgtcaggt ggggtgctat tgcccanaac caagcttgac 240
 caatcccgac ccaacccggg catagtcagt cagt 275

<210> 36527
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 36527

tgtttgagat gaagaagtgt tgaacggtga aacgtcctgc ttttatttgt gaccacagag 60
 tggtagctgg agatatgtca cgggggtcag gagaccttgg ggacgtcatg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccga cccaacccgg gcatagttgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggttgtg gtggctggcc aactgtgaat tttgtgtgat atgtgattat 300
 ggcctctggt aatcgattac caacgggtgg taatcgatta ccatgcttat aaatgaagac 360
 aggaggctaa gatgggtctct ggtaatcgat taccacggag tgtaat 406

<210> 36528

<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36528

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taatcaagca cagcgggaatc tgtagtttag acaagttgca aatcgtttcc aggatgtcaa 180
gacatctcac atgacatctg cttttctgctt ctgctcccc tgtctccatg cttactgcag 240
catctttctaa cagctactag tcttttccag gatgtcgaga catctcatgt gacatcagct 300
ttttgtctcc cctgtcttca tgctcttact gcagcatctt ctatcagcta ctagtagctt 360
acatcagtc tcaacagcag cagtctcccc ctcaaatca tgaatcatgc atacatcna 420
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<210> 36529
<211> 215
<212> DNA
<213> Glycine max

<400> 36529

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gtgatccgat aataagaccc aaatggataa gcttgacaaa tcaacaatac ttactcgagt 180
cgatgatcat ataattaaac tcaaatgaaa taaaa 215

<210> 36530
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36530

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tatgtcgaga cgctcganat tgaacaacgg aagctctcga gaaattccaa tggtcataac 180

ttttcactcg gaggaccgat tcaggcgcat aatatatcga gacgctcgaa attgaacaac 240
 ggaagctctc gagaaattca aatggtcata acttttaact cagagggtccg attcaggcgc 300
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 taacttttca ctggg 375

<210> 36531
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36531

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 gactaatcaa gaaaagtata gatttagaac atgtntaaat tagtatgtgt aaacctatag 240
 gaagacaatt tcgcacaagt acctcacctg gtgatcacgt gcataaccaa acatctctct 300
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 catcagaata 370

<210> 36532
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36532

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 tggcctcatg ggccataata tgaagggaat tcgaaaatta ccagattcca tacctcattg 180
 attaccggaa gaccattgat tctataactt acaagagcct ccagagttgt aatccaaaaa 240
 atatataaat aaagtaaata acatgattta naactatata gaacattgag ttaccttcat 300
 caacggtaat ggtgtgtttg acaacatgcg aatcttgctt ctttgtcatg aatcagcaa 360
 cgggtgaagt tccatatagt agcaatgacg ccaaaatgca aacacatana aaaaagaatc 420

t 421

<210> 36533
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36533

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 ttttaatat catgtagaag aagagtagac tcttgatata acagttaaatt tgcggtcacc 180
 tgatatacat agagagtttc gtgttacctc tattgattat gcatgacgtg ttacgtgata 240
 gtacatttca ttttcttagt ttaattactt ggcgttccat aaagtgaatt gcacgtatat 300
 aagaatatat taatggcatg tcaatgtccc cttaatacaa atg 343

<210> 36534
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36534

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 tttttataca taggttaaaa tgtaattctg atttctttat ttttataaat ccatgatttt 180
 agtttccatc ttttaaaatt gagatattta gtccttcaat tttctaagat tcttaatttt 240
 ggtcaattca ttcatttgag atgggttaatt gttaattgat taacgttgat catttatctg 300
 gttttttatt ctcatTTTTT tattaccgag taaaagaatt ttaaaaaaaaa aatatttgac 360
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 g 421

<210> 36535
 <211> 397
 <212> DNA
 <213> Glycine max

